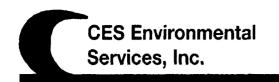
Afton Chemical Corporation

EPAHO106000461



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: 4-10

Waste Pre-Acceptance/Approval Letter

Date 10/28/2008

Dear Dwayne Tamayo

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2942

Expiration Date 10/28/2010

Generator: Texas Sterling Construction (Jasmine)

Address: 1307 Jasmine

Webster, TX 77598

Waste Information

Name of Waste: Non-hazardous concrete cure and water

TCEQ Waste Code #: CESQ6031

Container Type:

Detailed Description of Process Generating Waste:

Excess material from construction

Color: grey to white Odor: none

Physical State:

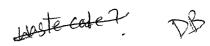
Incompatibilities: strong oxidizers **Safety Related Data/Special Handling:**

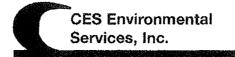
level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Needysps-then OK





☐ CES Environmental Services – Houston F 4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 6 TCEQ Industrial Solid Waste Permit No: 309 U.S. EPA ID No: TXD008950461 ISWR No: 3		3) 676-1676 30948	2420 S. Gulfwa; Phone: (713) 6'	y Drive, Port Ar 76-1460	es – Port Arthur Facility thur, TX 77641 Fax: (713) 676-1676 07 ISWR No: 88585
SECTION 1: Mate	rial Producer Informat	ion			
Company:	Texas Sterling Constr				
Address:	1307 Jasmine	docton			
City, State, Zip:	Webster, TX 77598		***************************************		
Contact:	Dwayne Tamayo		Title:	Supervisor	
Phone No:	281-330-7007		Fax No:	281-821-2995	
24/hr Phone:	281-330-7007		1 WX 110.	201-021-2773	
U.S. EPA I.D. No:	TXCESQG				
State I.D.	CESQG		SIC Code:		
State 1.D.	<u> </u>		SIC Couc		
SECTION 2: Billie	g Information – 🔲 San	io as Ahovo			
Company:	Texas Sterling Construc				
Address:	20800 Fernbush				
City, State, Zip:	Houston, TX 77073	······································		- C	
Contact:	Dwayne Tamayo	Title:	Supervisor		
Phone No:	281-330-7007	Fax No:	281-821-2995	·····	
x hone ivo.	201-330-7007	raa 110.	201-021-2775		······································
Name of Material / Product: Non-Hazardous concrete cure and water Detailed Description of Process Generating or Producing the Material / Product: Excess material from construction Physical State: Liquid Sludge Powder					
	⊠ Solid [Filter Cake	☐ Combination		
Color: grey to white	Ødd	r: none			
Specific Gravity (w	ater=1): <u>1-1-2</u>	Density: 8.3-9 lbs/gal			
Does this material c	ontain any total phenol	ic compounds? 🗌 Yes	s 🛭 No		
Does this material c	ontain any para substit	uted phenolic compour	nds? 🗌 Yes 🛛	No	
Layers:	Single-phase	Multi-phase			
Container Type: Container Size:	☑ D rum [<u>55 Gal</u>	∑ Tote [275	Truck	Ofhe —	r (explain) —
Frequency:	☐ Weekly	Monthly [☐ Quarterly	☐ Year	ly
= =	ontainers): 14 dms and	•	Other:		
	,	CESQ.			
Proper U.S. DOT Shipping Name: Non-RCRA,			OT Regulated Was	te Concrete Cure	
Class: NA	UN/NA:	NA	PG: NA		RQ: NA
			-		

Flash Point	pH	N/A	N/A	Solids
>200	4-10			%
Oil&Grease	TOC	Zinc	Copper	Nickel
NAmg/I	NAmg/I	NAmg/I	NAmg/I	NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The material / product consists of the following materials	Ranges are acceptable	or %	
Concrete Cure	5-50	%	
Water	50-100	%	
Non-Flammable Oils	0-20	%	

SECTION 5: Safety Related Data

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. \underline{MSDS}

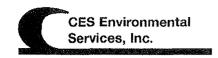
SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Material Producer's Certification

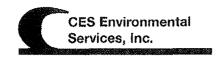
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material
tested are representative of all materials described by this document.
Authorized Signature: A. Dwarfue (a) Date: 10-27-08
Printed Name/Title: A. DWAYNE TAMAYO / PROJECT COORDINATOR
,
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Technical Manager: Lobhur Thydr
Date: 10-28-2008 Approved Rejected
Approval Number: 2942

The information contained herein is based on 🛛 generator knowledge and/or 🗌 analytical data. I hereby certify that the above and



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$70/dm
	\$200/tote
2.	Contamination Limits (maximum limit before surcharges apply):
	Flashes or non conforming
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
	Flash and visual , pH
5.	Treatment and Handling Protocol:
	Class 1 sluge
į	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	NA
2	Management for Product Recovered/Recycled (if applicable);
٠.	
	NA NA

Page: 2/15

Date: 11/19/2004 9:53:25 AM

3 das

Page 1/7

Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

1 Identification of substance

- · Product details
- · Trade name: Shepler's Cure 309 Rez-All

4 N

- · Article number: 83-306493
- · Application of the substance / the preparation

CES

· Manufacturer/Supplier: Shepler's

9103 E. Almeda Road Houston, TX 77054 (713) 799-1150

· Information department: Environmental, Health, and Safety department.

2 Composition/Data on components

- · Chemical characterization
- · Description: Mixture of the substances listed below with nonhazardous additions.

	Transfer of the property of th			
1	· Dangerous components:			
	8052-41-3 Stoddard solvent	· ·	10.656%	
	61790-12-3 Distilled Tall Oil Fatty Acids		1.28%	

· Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

· Hazard description:

Toxic

Information pertaining to particular dangers for man and environment:

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

May cause cancer.

May cause sensitisation by skin contact.

Harmful: may cause lung damage if swallowed.

· Classification system;

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



Health = *0 Fire = 0

Reactivity = 0

(Contd. on page 2)

Page: 3/15

Date: 11/19/2004 9:53:25 AM

Page 2/7

Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-All

(Contd. of page 1)

4 First aid measures

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

5 Fire fighting measures

· Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Protective equipment:

Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- · Person-related safety precautions: Not required.
- · Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of scepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdyst).

Dispose contaminated material as waste according to item 13.

7 Handling and storage

- · Handling:
- · Information for safe handling: Open and handle receptacle with care.
- Information about protection against explosions and fires: Keep respiratory protective device available.
- ·Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

8 Exposure controls and personal protection

· Additional information about design of technical systems: No further data; see item 7.

(Contd. on page 3)

-- (J.S.A. --

Page: 4/15

Date: 11/19/2004 9:53:26 AM

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Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-Ali

(Contd. of page 2)

Components with limit values that require monitoring at the workplace:

8052-41-3 Stoddard solvent

PEL 2900 mg/m3, 500 ppm

REL Short-term value: C 1800* mg/m3

Long-term value: 350 mg/m³

*15-min

TLV | 525 mg/m², 100 ppm

- Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due 10 missing tests, no recommendation to the glove material can be given for the product.

Select the glove material upon consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. · Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:

Color:

According to product specification

Odor: Characteristic

· Change in condition

Melting point/Melting range: Undetermined. Boiling point/Boiling range: 100°C (212°F)

(Contd. on page 4)

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Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-All

· · · · · · · · · · · · · · · · · · ·		(Contd. of pa
· Flash point:	Not applicable.	
· Ignition temperature:	230.0°C (446°F)	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
·Explosion limits:		
Lower:	1.1 Vol %	
Upper:	6.0 Voi %	
· Vapor pressure at 20°C (68	°F): 23.0 hPa (17 mm Hg)	
Density at 20°C (68°F):	0.986 g/cm³	
· Solubility in / Miscibility w	ith	
Water:	Fully miscible.	
· Solvent content:		
Organic solvents:	0.8 %	
Water:	71.1 %	
· Solids content:	16.1 %	

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Dangerous reactions No dangerous reactions known.
- · Dangerous products of decomposition: No dangerous decomposition products known.

II Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic.

12 Ecological information

· General notes:

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

(Contd. on page 5)

Page: 6/15

Date: 11/19/2004 9:53:26 AM

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Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-All

(Contd of page 4)

13 Disposal considerations

- · Product:
- Recommendation: Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to Federal, State, and Local regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- · DOT regulations:
- · Hazard class:
- · Limited Quantity Exemption:
- No Limited Quantity exemption applies for this shipping class.
- · U.S. Domestic Ground Shipments:
- Same as listed for Standard Shipments above.
- · U.S. Domestic Ground Non-Bulk (119 gal or less per
- container) Shipments:

Same as listed for Standard Shipments above.

- · Land transport ADR/RID (cross-border):
- · ADR/RID class:
- · Maritime transport IMDG:
- · IMDG Class:
- · Marine pollutant:

No

- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/LATA Class:

15 Regulations

- ·Sara
- · Section 355 (extremely hazardous substances):

107-15-3 ethylenediamine

Section 313 (Specific toxic chemical listings):

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

None of the ingredients is listed.

- · TSCA (Toxic Substances Control Act):
- All ingredients are listed.
- Proposition 65
- · Chemicals known to the State of California (Prop. 65) to cause cancer:

None of the ingredients is listed.

Chemicals known to the State of California (Prop. 65) to cause reproductive toxicity:

None of the ingredients is listed.

(Contd. on page 6)

Date: 11/19/2004 9:53:27 AM From: 7137998431 Page: 7/15

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Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-All

· EPA (Environmental Protection Agency)

·NTP (National Toxicology Program) None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

· OSHA-Ca (Occupational Safety & Health Administration)

· Cancerogenity categories

110-91-8 morpholine 3

110-91-8 morpholine 107-15-3 ethylenediamine A4

107-15-3 ethylenediamine D

(Contd of page 5) · LARC (International Agency for Research on Cancer) · MAK (German Muximum Workplace Concentration) · NIOSH-Ca (National Institute for Occupational Safety and Health)

· Product related hazard informations:

None of the ingredients is listed.

None of the ingredients is listed.

None of the ingredients is listed.

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

Toxic

- · Hazard-determining components of labelling:
- Stoddard solvent

Distilled Tall Oil Fatty Acids

- · Risk phrases:
- May cause cancer.

May cause sensitisation by skin contact.

Harmful: may cause lung damage if swallowed.

· Safety phrases:

Avoid exposure - obtain special instructions before use.

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of soap and water.

Do not empty into drains.

Wear suitable gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- · National regulations:
- · Water hezard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

(Contd. on page 7)

Page: 8/15

Date: 11/19/2004 9:53:27 AM

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Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 07/22/2003

Reviewed on 07/22/2003

Trade name: Shepler's Cure 309 Rez-All

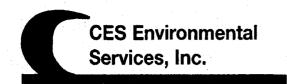
(Contd. of page 6)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS: Environmental, Health and Safety department
- · Contact: Matthew Paquette

13A -



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2941

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 387 performance additive

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: amber

Odor: slight pungent

pH: neutral

Physical State:

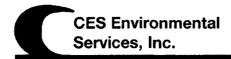
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

DB

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mate	rial Producer Inforn	nation		
Company:	Afton Chemical C	orportation		_
Address:	501 Monsanto Ave	enue		
City, State, Zip:	Suget, Il 66201			
Contact:	Ed Cox		Title:	
Phone No:	(618) 583-1078		Fax No:	(618) 583-1388
24/hr Phone:	(618) 583-1078			
U.S. EPA I.D. No:	na			
State I.D.	na ————————————————————————————————————		SIC Code:	na
SECTION 2: Billin Company: Address:	g Information – 🔀 S	Same as Above		
City, State, Zip:				
Contact:		Title:		
Phone No:		Fax No:		
Name of Material / Detailed Description	of Process Generat	387 Perfer Mane of ing or Producing the Mat	erial / Product:	,
ort or D	late Product	•		
Physical State:	☐ Liquid ☐ Solid	☐ Sludge ☐ Filter Cake	☐ Powder☐ Combination	n
Color: Amber	(Odor: Slight Pung	ent	
Specific Gravity (wa	ater=1): <u>- 96</u> 4	Density: 8 lbs/gal		
Does this material c	ontain any total phei	nolic compounds? 🗌 Yes	S HO	
Does this material co	ontain any para subs	stituted phenolic compour	ıds? 🗌 Yes 🛭	No
Layers:	Single-phase	☐ Multi-phase		
Container Type: Container Size:	☑ Drum <u>55 gal</u>	Tote [Truck	Other (explain)
Frequency: Number of Units (co	☐ Weekly ontainers): <u>1</u>	Monthly [Other:	Quarterly	Yearly
Proper U.S. DOT Sh	nipping Name:	Combustible Liquid	s, N.O.S.,(Sulfuri	zed olefins) Petroleum distillats)
Class: 3	UN/N	A: NA1993	PG: III	RO: 1000 lbs

>120 Neutral	
$\begin{array}{c ccccc} Oil\&Grease & TOC & Zinc & Copper & Nickel \\ & & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$	

COMPONENTS TABLE	Concentration	Units or %	
The material / product consists of the following materials	Ranges are acceptable		
HITEC 3.87 Performance Additive(See MJOS	[00]		
		<u> </u>	

SECTION 5: Safety Related Data

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. $\underline{\text{HiTEC 387 MSDS}}$

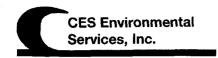
SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on \square generator knowledge and/or \trianglerighteq attached description is complete and accurate to the best of my knowledge a omissions of composition properties exist and that all known or suspected haza tested are representative of all materials described by this document.	and ability to determine that no deliberate or willful
Authorized Signature:	Date:
Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: fall Date: 8-21-08 Approved Rejected	
Date: 8 2 -08 Approved Rejected	
Approval Number: 294)	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Base Pricing (including freight): If brought in By CES on PCI back have: no charge/ no payment. If brought in by ontside transporter at customer expanse: pay \$0.15/get
	no payment.
	It brought in by one size
	pay \$0.15/get
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4.	Special Testing Requirements:
į	Rocard quantity in each down. Number each drum and record amount and product type on invendory
į	188.
:	
5.	Treatment and Handling Protocol:
	Once invendory has been given to product seles.
	Once invendory has been given to product seles, the material will be resold so is, according to
	directed by product sales person.
	on to the second of the second
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Sel Special testing vegneixements.
8.	Management for Product Recovered/Recycled (if applicable);
İ	See treatment & Mandling protocol



Material Safety Data Sheet

H387

HiTEC 387 Performance Additive MSDS No.

HiTEC is a trademark owned by Afton Chemical Corporation or one of its subsidiaries.

Product and Company Identification

Chemical Family

Product Use

CAS No.

Validation Date

In Case of Emergency

1-800-403-0044 (US & Canada) 1-804-648-7727 (International) 32-2-507-20-64 (Europe)

Manufacturer / Supplier

Afton Chemical Corporation 500 Spring St. Richmond, VA 23219 1-804-788-5800

Petrochemical.

Petrochemical industry: Gear oil additive

Mixture.

3 June 2004

Afton Chemical Limited Euro-Tech Centre London Road, Bracknell, Berkshire RG12 2UW, England 44 1344-304141

Composition and Information on Ingredients

Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information.

Substance/Preparation

: Preparation

Ingredient Name

CAS No.

Conc. (% w/w)

EU Classification

WHMIS

Mineral Oil

Regulated?

Mixture.

30-60

Not controlled under DSD

(Europe).

Hazards Identification

Notice to Reader

Afton operates a world-wide system for hazard communication. Some hazards shown in Section 3 may apply to non-EU countries and may not result in classification and labeling in the EU. Please see Section 2 and 15 for country specific classification information, and Section 11 for additional details.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Primary Hazards and Critical Effects

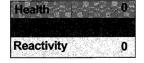
COMBUSTIBLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE.

Physical/Chemical Hazards

Environmental Hazards

Not classified as dangerous for the environment according to EC criteria.

Hazardous Material Information System (U.S.A.)



First Aid Measures

Inhalation

: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion

: If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Skin Contact

: Wash with soap and water. Get medical attention if irritation occurs.

Eye Contact

: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

5. Fire-Fighting Measures

Extinguishing Media

: In case of fire, use water spray (fog), foam, dry chemicals, or CO2.

Fire-Fighting Procedures

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Fire/Explosion Hazards

: Combustible liquid and vapor. Vapor may cause fire.

Hazardous Decomposition Products

: These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...), sulfur oxides (SO2, SO3...),

Flash point

: Closed cup: 85°C (185°F). (Pensky-Martens. Minimum)

Accidental Release Measures

Personal Precautions

: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.

Environmental Precautions and Clean-up Methods

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Note: See section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and Storage

Handling

: Keep away from heat, sparks and flame. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid fire, minimize ignition sources.

Storage

: Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep container in a well-ventilated place.

8. Exposure Controls and Personal Protection

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protective Equipment

Respiratory System

: Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).

Skin and Body

: Disposable outer garments when there is the potential for contact with the material.

Hands

: Use chemical resistant, impervious gloves.

Eves

: Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

Occupational Exposure Limits

Ingredient Name Mineral Oil OEL United States

ACGIH (United States).

ges). OEL Canada TWA: 5 mg/m³ STEL: 10 mg/m³ OEL Europe

TWA: 5 mg/m³ STEL: 10 mg/m³ OSHA (United States). TWA: 5 mg/m³ EH40 (UK) (Europe, 2002). TWA: 5 mg/m³ 8 hour(s).

9. Physical and Chemical Properties

Physical State and Appearance

: Liquid. (Clear.)

Color

: Amber. (Light.)

Odor

: Pungent. (Slight.)

Specific Gravity

: 0.964 at 15.6/15.6°C (target).

Solubility Viscosity : Insoluble in cold water. : 7.17cSt at 100°C (target).

Flash Point

: Closed cup: 85°C (185°F). (Pensky-Martens. Minimum)

HiTEC 387 Performance Additive

In Case of Emergency 1-800-403-0044 (US/Canada) 1-804-648-7727 (Int'l) 32-2-507-20-64 (Eu)

Page: 3/5

10. Stability and Reactivity

Stability

: The product is stable.

Materials to avoid

: Strong oxidizing and reducing agents.

Conditions to avoid

: High temperatures, sparks, and open flames.

11. Toxicological Information

Routes of Entry

None known.

Target Organs

: None known.

Acute Effects

Inhalation

. Inhalation of oil mist or vapors at elevated temperatures may cause respiratory imitation.

Ingestion

: Not determined.

Skin Contact

: Non-irritating to the skin.

Eve Contact

: Non-irritating to the eyes.

Chronic Effects

Adverse Effects

Not determined.

Carcinogenic Effects

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Toxicity Data

Ingredient Name

Test

Result

Route

Species

Not determined.

Other Information

Not available.

12. Ecological Information

Environmental Hazards

Not classified as dangerous for the environment according to EC criteria. Based on calculation.

Environmental Fate

This product contains components which may be persistent in the environment.

Germany water class

Not determined.

13. Disposal Consideration

Waste Handling and Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	NA1993	Combustible liquids, n.o.s. (Sulfurized olefins, petroleum distillates).	Combustible Liquid.	Ш		-
TDG Classification	Not regulated.	-	-			•
ADR/RID Class	Not regulated.	-	-			-
IMDG Class	Not regulated.	-	-			-
IATA-DGR Class	Not regulated.	-	-			-

Notice to Reader

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

Page: 4/5

15. Regulatory Information

EU Regulations

Risk Phrases

: This product is not classified according to the EU regulations.

Safety Phrases

: Not applicable.

US Regulations

: No SARA 313 chemicals are present above the reporting threshold.

: SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Fire Hazard

State

: California prop. 65: No products were found.

Canadian Regulations

WHMIS (Classification)

: Not determined.

International Inventory Status

United States

: All components on TSCA Inventory

Canada

: All components on DSL

Europe

: All components on EINECS

Japan

: Ali components on MITI or MOL

Australia

: All components on NICNAS

Korea

: All components on ECL

China

: All components on IECSC

Philippines

: All components on PICCS

16. Other Information

PREPARATION INFORMATION

Validated by _HS&E Department (Tel: +1 804 788 5800) on

6/3/2004.

Version

:

Date of Printing

: 6/3/2004.

Indicates information that has changed from previously issued version.

Notice to Reader

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Afton makes no representation as to completeness or accuracy. In no event will Afton be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

ADDRESS CONTACT INFORMATION

In the United States and Canada: Afton Chemical Corporation 500 Spring Street Richmond, Virginia USA 23219-2183

Telephone number: 804-788-5800

In Singapore:

Afton Chemical Asia Pacific Company

111 Somerset Road #13 - 03

Singapore 238164

Telephone number: 65-6732-0822

In Australia:

Afton Chemical Asia Pacific Company Level 9, 20 Berry Street North Sydney, NSW 2060

Australia

Telephone number: 02-9923-1588 Business Hours: 9:00am - 5:00pm In Europe: Afton Chemical Limited Euro-Tech Centre London Road, Bracknell, Berkshire RG12 2UW, England 44-1344-304141

In Japan: Afton Chemical Japan Corporation Sumitoma Fudousan Sanbancho Bldg. 5F 6-26 Sanbancho, Chiyoda-ku

Tokyo 102-0075 Japan Emergency phone: 81-3-5210-4890

Page: 5/5

*** END OF MSDS ***

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

AL

Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2941

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Produc. Add itives - Toxic

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: amber Odor: slight pungent

pH: neutral

Modely.

Physical State:

Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

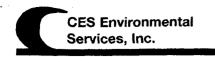
)B

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

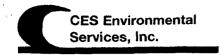
Company: Address:	- A C C1 :	formation						
A 1111FACC*	· · · · · · · · · · · · · · · · · · ·	al Corportation						
	501 Monsanto							
City, State, Z	-	1	T:41					
Contact: Phone No:	Ed Cox (618) 583-1078		Title: Fax No:	(618) 583-1388				
24/hr Phone:			Fax No:	(018) 383-1388				
U.S. EPA I.D		0						
State I.D.			SIC Code:	na				
State I.D.	na		SIC Code.	na				
	Billing Information –	⊠ Same as Above						
Company:								
Address:								
City, State, Z	ip:							
Contact:		Title:	•					
Phone No:		Fax I	No:					
SECTION 2.	Cananal Description of	f the Material / Dreduct						
SECTION 5:		f the Material / Product						
Name of Mat	erial / Product: Ad	ditixes - Toxic	· &					
		erating or Producing the	Material / Product:					
Offspec/Out a	-							
Physical State	•	☐ Sludge	Powder					
	☐ Solid	☐ Filter Cake	Combination Combination	1				
Color: Vi	1º	Odor: varis	4					
		Č						
	rity (water=1):	Le Density: Van Ubs	s/gal					
Specific Grav	V	Does this material contain any total phenolic compounds?						
	•	phenolic compounds?	Yes No					
Does this mat	erial contain any total p			₹No				
Does this mat	erial contain any total p	phenolic compounds?]No				
Does this mat	erial contain any total p	substituted phenolic com	pounds? 🗌 Yes 📋]No				
Does this mat Does this mat Layers:	erial contain any total perial contain any para serial Contain any para serial Single-pha	substituted phenolic compase Multi-pha	pounds? Yes					
Does this mat Does this mat Layers: Container Ty	erial contain any total perial contain any para s Single-pha	substituted phenolic com	pounds? 🗌 Yes 📋]No ☐ Other (explain)				
Does this mat Does this mat Layers:	erial contain any total perial contain any para s Single-pha	substituted phenolic compase Multi-pha	pounds? Yes					
Does this mat Does this mat Layers: Container Ty Container Siz	erial contain any total perial contain any para so Single-pha pe:	substituted phenolic com ase	pounds?	Other (explain)				
Does this mat Does this mat Layers: Container Ty Container Siz Frequency:	erial contain any total perial contain any parass Single-pha pe: Drum te: 55 gal Weekly	substituted phenolic compase Multi-pha Tote Monthly	pounds? Yes					
Does this mat Does this mat Layers: Container Ty Container Siz Frequency:	erial contain any total perial contain any para so Single-pha pe:	substituted phenolic compase Multi-pha Tote Monthly	pounds?	Other (explain)				
Does this mat Does this mat Layers: Container Ty Container Siz Frequency:	erial contain any total perial contain any parass Single-pha pe: Drum te: 55 gal Weekly	substituted phenolic compase Multi-pha Tote Monthly	pounds?	Other (explain)				
Does this mat Does this mat Layers: Container Ty Container Siz Frequency: Number of Un	erial contain any total perial contain any para so Single-phase: Drum 55 gal Weekly nits (containers):	substituted phenolic compase Multi-pha Tote Monthly Other:	pounds? Yes	Other (explain) Yearly				
Does this mat Does this mat Layers: Container Ty Container Siz Frequency: Number of Un Proper U.S. D	erial contain any total perial contain any para so Single-pha pe: Single-pha pe: Drum te: 55 gal Weekly mits (containers): VOV	substituted phenolic compase Multi-pha Tote Monthly Other: Five Characterists	pounds? Yes	Other (explain) Yearly				
Does this mat Does this mat Layers: Container Ty Container Siz Frequency: Number of Un	erial contain any total perial contain any para so Single-pha pe: Single-pha pe: Drum te: 55 gal Weekly mits (containers): VOV	substituted phenolic compase Multi-pha Tote Monthly Other:	pounds? Yes	Other (explain)				

Flash Point	3-11	N/A	N/A	Solid	S %
Oil&Grease	TOC	Zinc	Copper	Nickel	_ 70
<u></u>	415 mg/l	mg/l	_්රි _{mg/l}	<u>mg/l</u>	
SECTION 4: Physic	al and Chemical D	v <u>ata</u>			•
	COMPONEN'	IS TABLE		Concentration	Units
		s of the following materials	Ran	ges are acceptable	or %
	Fuel Add	ntire	1	[04	36
<u> </u>					
					
SECTION 5: Safety	Related Data				
		et requires the use of speci	al protoctive equip	mont places synlain	
Standard	s material / produc	t requires the use of speci	ai protective equip	ment, piease expian	.
SECTION 6: Attach	ed Supporting Doc	uments			
		analysis attached to this for		naterial / product pro	ofile.
See Mada ma	snorld drive	: Customer M505	: Afton		
SECTION 7: Incomp	<u>patibilities</u>				
Please list all incomp	atibilities (if anv):				
Strong Oxidizers					
CECTION O. M4	tal Duaduaanta Can	dici and in a			
SECTION 8: Materi					
		\mathbf{d} on \square generator knowledge turate to the best of my kn			
		t and that all known or susp			
		escribed by this document.			•
Authorized Signature	e: NOME F	uprised. produ	<u>ut</u>	Date:	
Printed Name/Title:					
CES USE ONLY (DO NO	T WRITE IN THIS SPA	ACE)			
Technical Manager:	Le ATT	~ Ø			
Technical Manager:	arimic h	7			
Date: 8-21-08	App	proved Rejected			
	0011				
Approval Number:	2941				



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	If brought in By CES on PCI backhaul: no charge
	no payment. If brongered in by ontside transporter at customer expanse! pay \$0.15/get Pay \$, \$19/ pound.
	It brongered in by one of
	pay +0.13/get pay 1,011/ permits.
2.	Contamination Limits (maximum limit before surcharges apply):
	If the drums are damaged and in an overfect and operations deceides too many man have are used to recome meterial then these will be no payment.
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	Rocard quantity in each down. Number each drum
	a larger and ordered Type on inventory
	US all a Confort Sol eder the tax and more to generate
	Repend to sold yallow showed. Lest delsing off. On whome
5.	Treatment and Handling Protocol:
i	
	Once invendory has been given to product seles, the material will be resold so is, according
	directed by product sales person.
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C

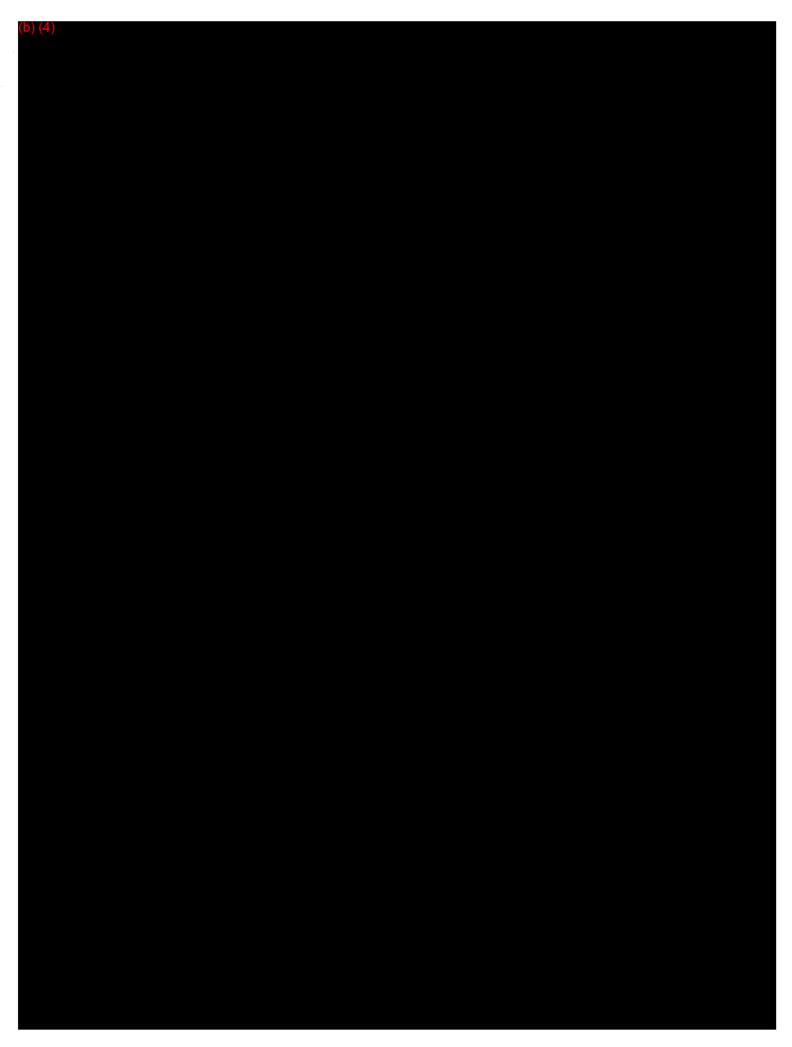


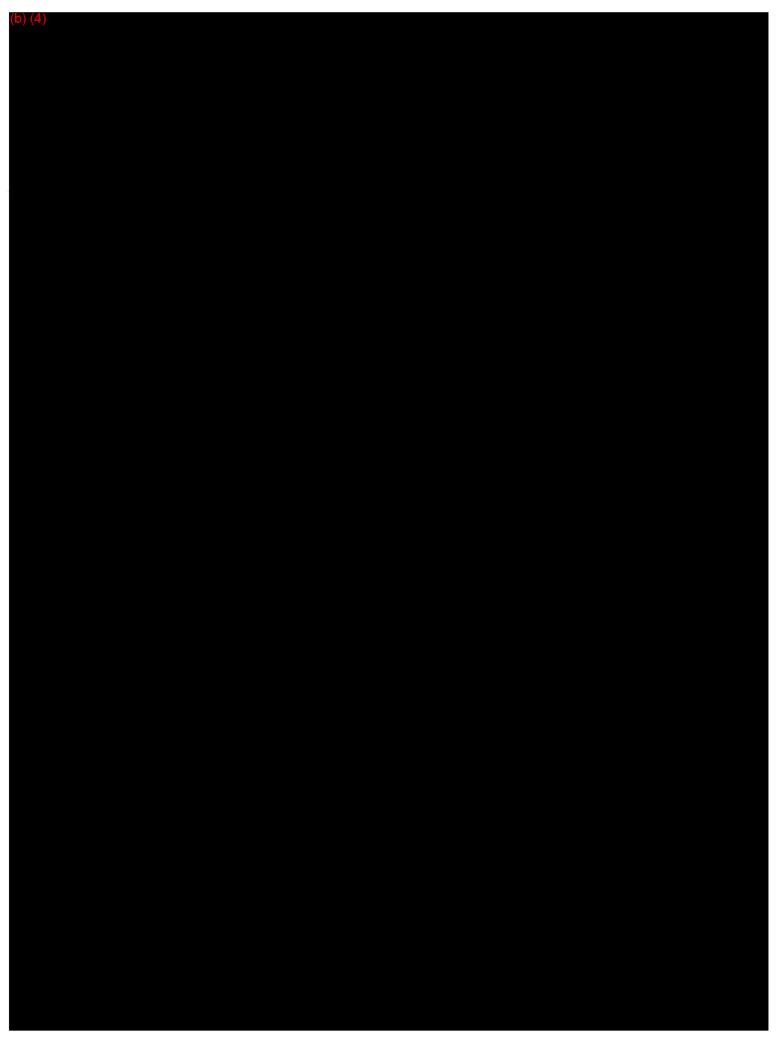
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

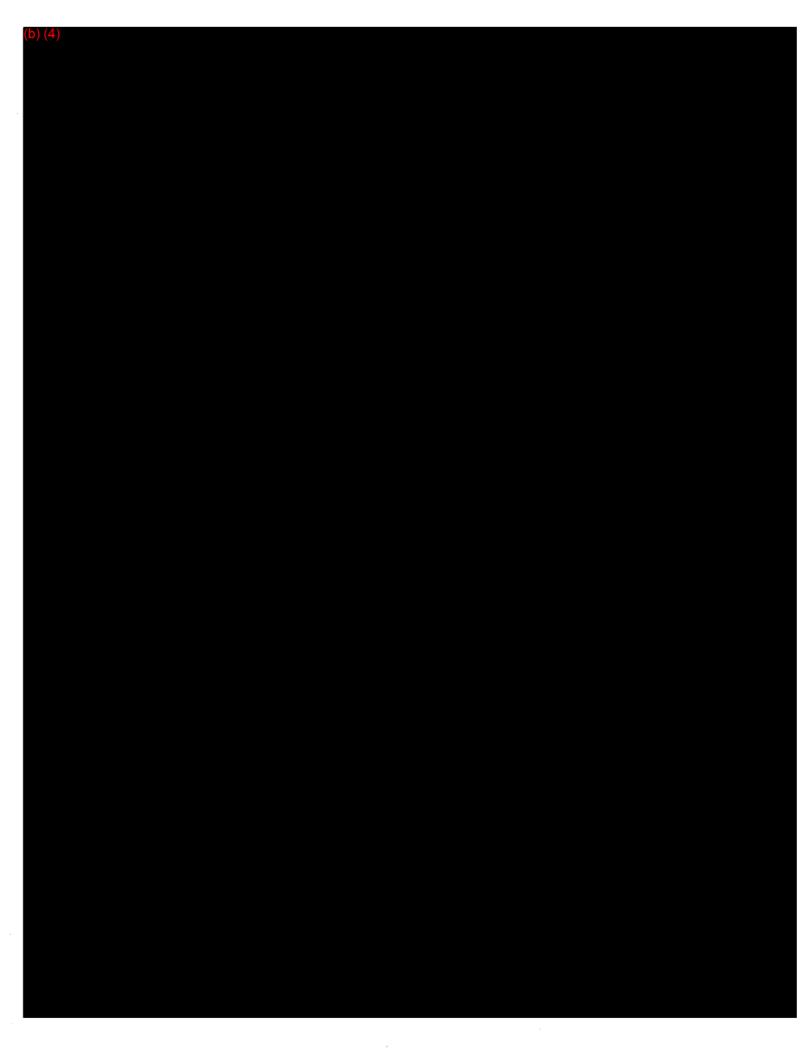
7.	Tests for Product Recovered/Recycled (II applicable):
	Sel Special testing requirements.
8.	Management for Product Recovered/Recycled (if applicable);
	See treatment & transling protocol

One example











*** END OF MSDS ***

Entrovice 2943



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/28/2008

Dear Marty Goodpasture/Joe Hawkins

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2943

Expiration Date 10/28/2010

Generator: Enterprise Products Operating (Substation-Texas City)

Address: 700

700 14th Street South

Texas City, TX 77590

Waste Information

Name of Waste: Floor sweepings from empty natural gas storage tank

TCEQ Waste Code #: 00066951

Container Type:

Detailed Description of Process Generating Waste:

Cleaning of empty natural gas storage tank after internal repairs

Color: brown/black

Odor: none

pH: neutral

Physical State:

Incompatibilities: strong oxidizers **Safety Related Data/Special Handling:**

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Need PFI

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 3096

	U.S. EPA	11) No: 1XD008	950401 15WK	No: 30900
OF CONTON 1 C				
SECTION 1: General)	Tamainat	
Company: Address:	Enterprise Products (700 14 th Street South		y Icrminal)	
City, State, Zip:				
City, State, Zap: Contact:	Texas City, TX 7759 Joe Hawkins	90	Title:	Manager
Phone No:	409-945-6622		Fax No:	wanager
24/hr Phone:	CES-713-676-1460		FBX 140;	
U.S. EPA LD. No:	CES-715-070-1400			
State LD.			SIC Code:	
Grate III.			SIC Code.	
	Information - San Enterprise Products Op			
	11750 Almeda	crating		
	Houston, TX 77045			
- · · · · · · · · · · · · · · · · · · ·		Title:	Managar	
	Marty Goodpasture 832-347-4527	Fax N		
Luone Mo:	002-047-4027		113-003-2230	<u> </u>
SECTION 3: General	al Description of the I	<u>Waste</u>		
	or Sweepings from emp of Process Generatin			torage tank after internal repairs
Physical State:	☐ Liquid	Sludge	Powder	
•	⊠ Solid	Filter Cake	Combination	n
	— ••••••			
Color: brown/black	Od	lor: <u>none</u>		
Specific Gravity (was	ter=1): <u>1.2</u>	Density: 10 lbs/gal	ı	
Layers:	Single-phase	Multi-ph	ane	
Container Type:	⊠ Drum	☐ Tote	Truck	Other (explain)
• •		Li		Outer (explain)
Container Size:	<u>55 g</u>			
				_
Frequency:	☐ Weekly	Monthly	Quarterly	🛚 Ycarly
Number of Units (co	ntainers): 4	Other;		
Texas State Waste C	, —	56951		
			DOTE D. L. JA	
Proper U.S. DOT Sh	ipping Name:	Non-RCRA; No	on-DOT Regulated Ma	aterial
Class: NA	UN/NA	NA NA	PG: NA	RQ; NA
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids
>150		0.60mg/l	Omg/I	100%
Oil&Grease		Zinc		Nickel
	TOC	1 Zanc	Copper	Nickel

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	or %
Rust Scale with Residual organic solids	90-98	%
Misc trash to include welding rods, wire brushes, rags, cans	2-10	%
		1

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Mercury Analysis on the residual sludge from frac tank and Vac Box Report Number 7100468 and 7100467

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles;	<u>X</u>
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	X

Authorized Signature:

Printed Name/Title:

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🖸 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials texted are representative of all materials described by this document. ____ Date: 10-16-08

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	at 1
Compliance Officer: Lowburd and	Additional Information: 55 10rum
Date: 10-22-08 Approved Rejected	Trans 70 cb Hr + Fox
Approval Number: 2943	cless 1 Box

SECTION 10: Waste Receipt Classification Under 40 CFR 437
In this material a wantewater or wastewater sludge? YES NO
If 'Yes', complete this section.
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Subpart A
Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils Subcategory: Subpart B
Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory

SECTION 11: Additional Instructions

Oils Subcategory

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Criggs Rd Houston, TX 77021 Phone: (713) 676-1460 Fax:

(713) 676-1676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

7100468

Client Sample ID:

Tank Bottoms

Extended ID:

Enterprise TX City

Sample Collect Date: 10/17/2007 @ 9:45:00 AM

Sample Type:

Grab

Sample Receipt Date: 10/17/2007 @ 12:00:00 PM

TCLP Benzene Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: HDG Date / Time
Benzene	0.005	0.5	0.059	mg/L	10/20/2007 / 8:53 PM
Reactivity, Recoverable Hydrog Method: 7.3.3.2	en Cyanide MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	10/18/2007 / 3:00 PM
Reactivity, Recoverable Hydrog Mothod: 7.3.4.2	en Sulfide MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25		0.60	mg/kg	10/18/2007 / 4:10 PM
Corrosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: JE Date / Time
pН			7.14		10/18/2007 / 11.30 AM
Ignitability Method: SW-846 1010	MDL		Result	Units	Analyst: DEB Date / Time
Flashpoint			>150	deg F	10/19/2007 / 12:35 PM
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Arsenic	0.014	5	0.034	mg/L	10/18/2007 / 5:53 PM
Barium	0.0005	100	0.639	mg/L	10/18/2007 / 5:53 PM
Cadmium	0.002	1	0.003	mg/L	10/18/2007 / 5:53 PM
Chromium	0.002	5	< 0.002	mg/L	10/18/2007 / 5:53 PM
Lead	0.005	5	< 0.005	mg/L	10/18/2007 / 5:53 PM
Selenium	0.024	1	0.130	mg/L	10/18/2007 / 5:53 PM
Silver	0.002	5	< 0.002	mg/L	10/18/2007 / 5:53 PM

Report Date: 22-Oct-07

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

7100468

Client Sample ID:

Tank Bottoms

Extended ID:

Enterprise TX City

Sample Collect Date: 10/17/2007 @ 9:45:00 AM

Sample Type:

Grab

Sample Receipt Date: 10/17/2007 @ 12:00:00 PM

TCLP Mercury Method: SW-846 7470A

MDL RL Result

Units

Monday, October 22, 2007

Analyst: AM Date / Time

Mercury

0.0002 0.2

0.0003 mg/L 10/19/2007 / 2:10 PM

Flags: N: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Date

Report Date: 22-Oct-07

Page 2 of 2

7100465 - 7100468

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC					
C6-C12 C12-C28		< 4 < 8	111.2 107.5	110.0 115.6	116.0 106.4					
ANALYTES	METHOD 8021B	MB mg/L	MS %REC	MSD %REC	RPD	STD %REC				
Benzene Toluene Ethylbenzene m+p Xylene o-Xylene		< 0.005 < 0.005 < 0.005 < 0.005 < 0.005	90.8 100.0 99.8 102.0 97.3	91.0 101.0 104.0 112.0 108.0	0.22 1.00 4.12 9.35 10.42	89.6 98.9 99.7 110.3 103.2				
SURROGATE	SURROGATE SPIKE RECOVERY FOR BTEX % REC									
4-Bromofluorob	enzene					104.7				
7100466 SURROGATE	SPIKE RECOV	ERY FOR VOLA	TILES			% REC				
Dibromofluoron Toluene-d8 4-Bromofluorob						105.1 99.2 99.2				
7100467 SURROGATES	SPIKE RECOV	ERY FOR VOLA	TILES			% REC				
Dibromofluoromethane 105.6 Toluene-d8 95.1 4-Bromofluorobenzene 100.0										
7100468 SURROGATE SPIKE RECOVERY FOR VOLATILES % REC										
Dibromofluorom Toluene-d8 4-Bromofluorob						105.2 94.9 101.2				
		1			-					

- Mercury Environmental Services, Inc.

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10/53/5007 09:32

7100465 - 7100468 Page 2

QA/QC REPORT CONTINUED

ANALYTE	MB mg/L	LCS %REC	LC3D %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	90 83.3 88.2 85 83.2 101.0 66.4 94	81 88 87.5 84 82.9 97.5 80.1	9.9 5.26 0.80 1.439 0.27 3.53 18.8 2.809	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	97 101 98 96 97 102.0 99	58.4 60.5 62.0 66.8 61.0 56.4 66.1	59.0 60.4 63.0 67.3 61.3 59.3 63.3	0.92 0.2 1.6 0.7 0.5 5.0 4.33
ANALYTE		STD							
Flashpoint		82°F							· .
ANALYTE	BUFFER 7,0	ORIG	DUP	RPD					_
рН	7.0	6.90	6.98	1.15					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD					
Reactivity as I	lydrogen Sulfide	0.38	0.38	0.00					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD	STD %REC				

Standards Utilized:

Reactivity as Hydrogen Cyanido < 0.26 < 0.25 0.00

BTEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

103

Mercury Environmental Services, Inc.

₽AGE 08/10

2814764406

ZE:60 L00Z/EZ#

7100465 - 7100468 Page 3

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank

LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
Rec=Percent Recovery

Signature:
Holland D. Gilmore / Laboratory Director

October 22 - 2007

Mercury Environmental Services, Inc.

PAGE 09/10

WES

10/23/2007 09:32 2814764406

CES Environmenta

COMPANY NAME: (BILL TO:) ___

COMPANY ADDRESS:

Co. Differmatic dental.

1-800-771-4MES

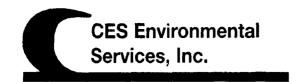
(281) 476-4534 Fax (281)-476-4406

- CHAIN OF CUSTODY

Mercury Environmental Services 6913 Hwy. 225 • Deer Park, TX 77536

EPAHO106000506

2944 CANRIG



Waste Pre-Acceptance/Approval Letter

Date 10/23/2008

Dear Paul Ashford

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2944

Expiration Date 10/23/2010

Generator: Canrig

Address: 14703 FM 1488

Magnolia, TX 77354

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Out of use RCRA empty containers

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

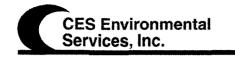
CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460						CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460						
U.S. EPA ID N				, o 1400 ımber: 3090	00	U.S. EPA		lumber: TXR0000	-	ISWR Numb		3585
TCE	Q Industrial	Solid Wast	e Permit Nun	nber: 30948								
SECTION 1:	Generator	<u>Informati</u>	<u>ion</u>									
Company:	Canrig											
Address:	14703 FM	1488		·						•		
City:	Magnolia			Sta	ate:	TX		Zip:	•		•	77354
Contact:	Paul Ashfo	rd		-		Title:						
Phone Num	ber:	(281) 2	59-3139			Fax Numb	er:	(281) 259-3201	1			
24/hr Phon	e Number:	(281) 2	59-3139									
US EPA ID N	lo:	TXCESC	QG			· 						
State ID No	:	CESQG				SIC Code:		na				
						•						
SECTION 2:	Billing Info	rmation -	✓ Sa	me as Abo	<u>ve</u>							
Company:												
Address:	- 11 11											
City:				Sta	ate:			Zip:				
Contact:					•	Title:						
Phone Num	ber:					Fax Numb	er:					
Name of Wa			of the Wast mpty Contai	_								
			Generating V									
Out of use R	RCRA empty	Containe	rs									
Physical Sta	te:	Liquid Solid		_	idge ter Cake	[Powder Combination				
Color:	varies					Odor:		none				
Specific Gra	vity (water:	:1):	<u>na</u>					Density: na	I	s/gal		
Does this m	aterial cont	ain any to	otal phenoli	c compoun	ıds?		Yes	✓ No				
Does this m	aterial cont	ain any p	ara substitu	ted pheno	lic comp	ounds?		☐ Yes	☑ N	o		
Is the Waste	e subject to	the benz	ene waste o	peration N	ESHAP?	(40 CFR Pa	ırt 6	1, Subpart FF)	-	Yes	V	No
Answer "Yes	s" if your wa	ste conta	ins benzene	AND if the	SIC code	e from you	r fac	ility is one of th	e followir	ıg:		
2812	281	3	2816	2819	2821	2	822	2823	2824	2833		2834
2835			2841	2842	2843		844		2861	2865		2869
2873			2876	2879	2891		892		2896	2899		2911
3312			4959	9511	2031	_	0 52	2333	2000	2000		
Layers:	☑ Sir	igle-phas	e 🗆	Multi-ph	ase							
Container T	ype: 🗸	Drum	✓ Tote	☐ Tru	ıck 🗌	Other (exp	olain	n)				
Frequency:	☐ Weekl	y 🗹 Mo	onthly 🔲 \	early 🔲	One-Ti	me						

If "Yes", the state of the stat	en please cons it:	ous Waste" per aplete, sign and o D001 (Ignitable) Metals: Organics: D012	date the Und le) D004 D010	erlying Haza D002 (Cor D005 D011	rosive) [5	ents Form at	active)	<u></u> □ 0000		
	Is this an "F" or "K" Listed waste or mixed with one?									
40 CFR 261.	33(e) or (f)?	duct or spill cle	Y		a "U" or "P" w	vaste code u	ınder			
	Waste Code		Non RCRA (Recycle	gulated Mate	rial	_			
Class:	na	UN/NA:	na	PG:	na	RQ:	na			
rissis	D-1-4	l		D	· · · · · · · · · · · · · · · · · · ·	l Baratia		6.1	•.4.	
	Point	pH neut		Reacti	ive Sulfides mg/l	Reactiv	e Cyanides mg/l	50l	ids %	
	Grease	TO			Zinc		pper	Nic		
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l	
SECTION 4:		Chemical Data				•				
	CON	IPONENTS TAE	3LE		CONCENTRATOIN				UNITS	
Th	e waste cons	ists of the follo	wing materia	als	Ranges are acceptable				or %	
	RCRA	empty Contair	ners		100				%	

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
RCRA empty Containers	100	%
	-	
		· · · · · · · · · · · · · · · · · · ·

•	ling of this w	aste requires the use of sp	ecial protective equ	ipment, please ex	kplain.		
	uments, note	upporting Documents s, data and/or analysis atta none	ched to this form as	s part of the wast	e		
	=	ilities ibilities (if any):					
Laboratory	analysis of th	s Knowledge Documentati ne hazardous waste charact g generator knowledge:		v, WAS NOT PER	FORMED		
TCLP Metal	s·	BRL.					
TCLP Volati		BRL					
TCLP Semi-	Volatiles:	BRL	·····				
Reactivity:		NON REACTIVE					
Corrosivity:		NON CORROSIVE					
Ignitability:		NON IGNITABLE					
SECTION 9: Facilities)	Is this mater	t Classification Under 40 CFR ial a wastewater or wastewater on wastewat		-Treatment Requir	ements fo	r Centralized Waste Treatment NO	
	PLEASE CHE	CK THE APPROPRIATE BOX. I	F NO APPROPRIATE C	ATEGORY, GO TO	THE NEXT	PAGE.	
	Metal finishi Chromate w Air pollution Spent anodia Incineration Waste liquid Cyanide-con Waste acids Cleaning, rin	plating baths and/or sludge: ng rinse water and sludges astes control blow down water an ting solutions wastewaters	d sludges .36 mg/l etals solutions from electi		hating ope	rations	
<u>Oils Subcate</u>	<u>gory</u> : Subpar	t B					
	Used oils	vuletane av astravus -					
<u> </u>] Oil-water en] Lubricants	nulsions or mixtures					
<u> </u>	Coolants						
		ed groundwater clean-up fror	n petroleum sources				
Ē	Used petrole	eum products					
Ļ	Oil spill clear	n-up					
<u> </u>] Bilge water] Rinse/wash v	waters from petroleum sourc	es				

	Interceptor w					
	Off-specificati					
	_	storage remediatior				
	_	t from petroleum or	oily sources			
	Non-contact ι					
		oil mixtures from pa		pperations		
	wastewater r	rom oil bearing pain	t wasnes			
Organics	Subcategory: Sub	nart C				
<u>Organics</u>	Landfill leacha					
	=		-up from non	-petroleum sources		
	Solvent-bearing	_	ар	p 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	=	on organic product				
	Still bottoms					
	Byproduct wa	ste glycol				
	☐ Wastewater f	om paint washes				
	Wastewater f	om adhesives and/o	or epoxies for	rmulation		
	Wastewater for the second of the second o	om organic chemica	al product op	erations		
	Tank clean-ou	t from organic, non-	petroleum so	ources		
(1)				5 4 6 A 4 A 4		
	If the waste co	intains oil and greas	e at or in exc	ess of 100 mg/L, the w	aste should be classified in	the oils subcategory.
/2)						
(2)	If the waste co	entains oil and greas	a lacc than 16	00 mg/L and has any o	of the pollutants listed belo	w in concentrations in
		_		ould be classified in th	•	w iii concentrations iii
			tile waste sile	Julu be classified in th	e metais subcategory.	
		dmium: 0.2 mg/L				
		romium: 8.9 mg/L				
	Со	pper: 4.9 mg/L				
	Nic	kel: 37.5 mg/L				
(3)	or nickel abov		isted above, t		have concentrations of cac assified in the organics sub	dmium, chromium, copper, category.
		- 0	•			
SECTION	10 Additional Inst	uctions				
Copper, I	lickel, and Oil and	Grease, CES will send	d offsite to a		a sample to determine the	on of Cadmium, Chromium, ese concentrations. This
SECTION	11: Generator's	Cortification				
		d herein is based o	, [7]	generator knowledge	e and/or 🔲 analytic	al data
				-	•	ai data.
•			•	is complete and acc		
				te or willful omission		
properti	es exist and that a	II known or suspec	cted hazards	have been disclosed	d. I certify that the	
material	s tested are repre	sentative of all ma	terials descr	ribed by this docume	ent.	
		0				
Authoriz	ed Signature:	Paul (Jack	7	Date:	10/22/2008
			- ()			
Printed !	Name/Title:	Paul Ashford				
CES LISE	ONLY (DO NOT W	RITE IN THIS SPACE	E)		7	
CL3 U3E	CIATI (DO NOT W	11113 3FACI	·-/			
Compli-	aca Officare	(b. a Dr	1			
	nce Officer:	gold with	ma			
Date:	10-65-0	8 Agri App	roved	Rejected		
Approva	l Number:	2944				
		•			1	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
Drum \$10 Tote \$100
2. Contamination Limit (maximum limit before surchages apply):
Must be RCRA empty
3. Surcharge Pricing:
4. Special Testing Requirements:
4. Special results Requirements.
5. Treatment and Handling Protocol:
Recycle
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	

Aften themical texpendition



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/22/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2945

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 307 performance additive

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: clear

Odor: pungent

pH: neutral

Physical State:

Incompatibilities: strong oxidizers **Safety Related Data/Special Handling:**

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



JB

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

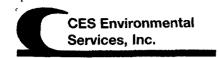
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mater	<u>ial Producer Inform</u>	<u>ation</u>			
Company:	Afton Chemical Co	orportation			-
Address:	501 Monsanto Ave	nue	_		
City, State, Zip:	Suget, Il 66201				
Contact:	Ed Cox		Title:		
Phone No:	(618) 583-1078		Fax No:	(618) 583	-1388
24/hr Phone:	(618) 583-1078				
U.S. EPA I.D. No:	na				
State I.D.	na		SIC Code:	na	
SECTION 2: Billing	Information – 🛛 S	ame as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:	-		
Phone No:	-	Fax No:			
_					
SECTION 3: Gener	al Description of the	Material / Product			
		·	witive		
Name of Material / F	roduct: Hitec 3	at removemence has	Per Lide		
Detailed Description	of Process Generati	ng or Producing the Materi	ial / Product:		
	aut	- ofdate produ	, +-		
		of and product			
Physical State:	Liquid	☐ Sludge ′ ☐	Powder		
	☐ Solid	Filter Cake	Combination	n	
•					
Color: Cle AV	0	dor: <u>Pu</u> ngent			
Specific Gravity (wa	ter=1): <u>\</u>	Density: 8.32 lbs/gal			
Does this material co	ntain any total phen	olic compounds? 🗌 Yes	□Mo		
Does this material co	ntain any para subs	tituted phenolic compounds	s? 🗌 Yes 🗏	₹No	
¥		□ ъ ∉ 141 1			
Layers:	Single-phase	∐ Multi-phase			
G4 T	□ D		m ı	_	
Container Type:	⊠ Drum	☐ Tote ☐	Truck	Ш	Other (explain)
Container Size:	<u>55 gal</u>				
Frequency:	☐ Weekly	☐ Monthly ☐	Quarterly		Yearly
- •		•	Quarterry		1 carry
Number of Units (con	ntainers): 1	Other:			
		Product			
Proper U.S. DOT Sh	ipping Name:	Combustible Liquids, 1	N.O.S.,(Sulfuri	zed olefins)	
Class: 3	UN/NA	NA1993	PG: III		RQ: 1000 lbs
Ciass: 3	UN/NA	INALITYS	rg: III		KQ: 1000 lbs

Flash Point	pH ,	N/A	N/A			Solids				
	Nontrul	IV/A	IVA	IV/A			%			
Oil&Grease	TOC	Zinc mg/l	Copper	I .	Nickel					
7175-mg/l	<u> </u>			g/I	<u>O</u> m	ıg/I				
SECTION 4: Physic	al and Chemical E	<u>Pata</u>								
	COMPONENTS TABLE Concentration Units The material / product consists of the following materials Ranges are acceptable or %									
				Ranges are		able	or %			
MILLER DOI LE	A DH VM rath	Julitize (See MS	Ω 3 .)	100			9(*			
SECTION 5: Safety	Related Data									
<u> </u>		ct requires the use of spec	ial protectiv	ve equipment, p	please e	xplain.				
CE CETON C. A										
SECTION 6: Attach										
List all documents, n HiTEC 307 MSDS	otes, data, and/or :	analysis attached to this fo	rm as part (of the material	l / prodi	uct pro	file.			
SECTION 7: Incom	<u>patibilities</u>									
Please list all incomp Strong Oxidizers	atibilities (if any):									
SECTION 8: Materi	ial Producer's Cer	tification								
		d on generator knowled	ge and/or 🛚	analytical data	a. Iher	ebv cer	tify that the above and			
attached description i omissions of composi	s complete and accition properties exis	curate to the best of my ket and that all known or sus escribed by this document.	nowledge an	id ability to de	etermine	that n	o deliberate or willful			
Authorized Signature	e;			Date: _						
Printed Name/Title:										
CES USE ONLY (DO NO										
Technical Manager:	Pahrully									
Date: 8-21-c	A pp	proved Rejected								
Approval Number:	2945									

Approval Number: ___



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	If brought in By CES on PCI backhaue: no chage/ no payment. If brought in by ontside transporter at customer expanse: pay #0.15/gef
	no payment.
	If brought in by ontside transporter to customer expense:
	pay \$0.15/get
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	Rocard quantity in each drum. Number each drum and record amount and product type on invendory
	18.
	0.0
5.	Treatment and Handling Protocol:
٠.	
	Once inventory rus been given to prosent and,
	Once invendory has been given to product seles, the material will be resold so is, according to directed by product seles person.
	directed by product sales person.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

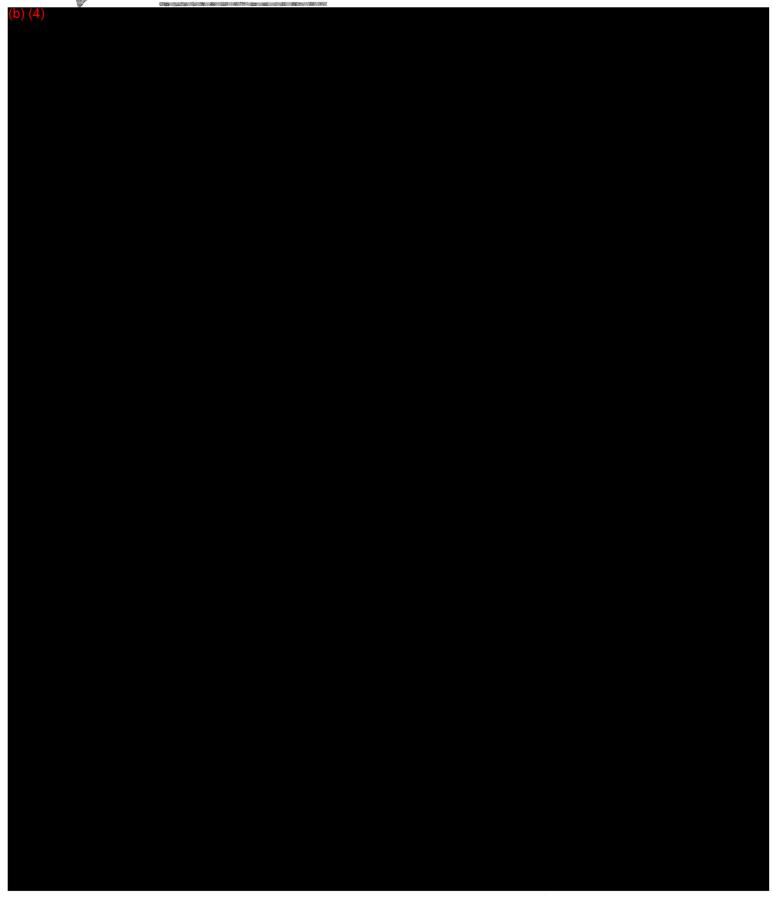


PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	See Special testing requirements
8.	Management for Product Recovered/Recycled (if applicable);
	See treatment & nanding protocol

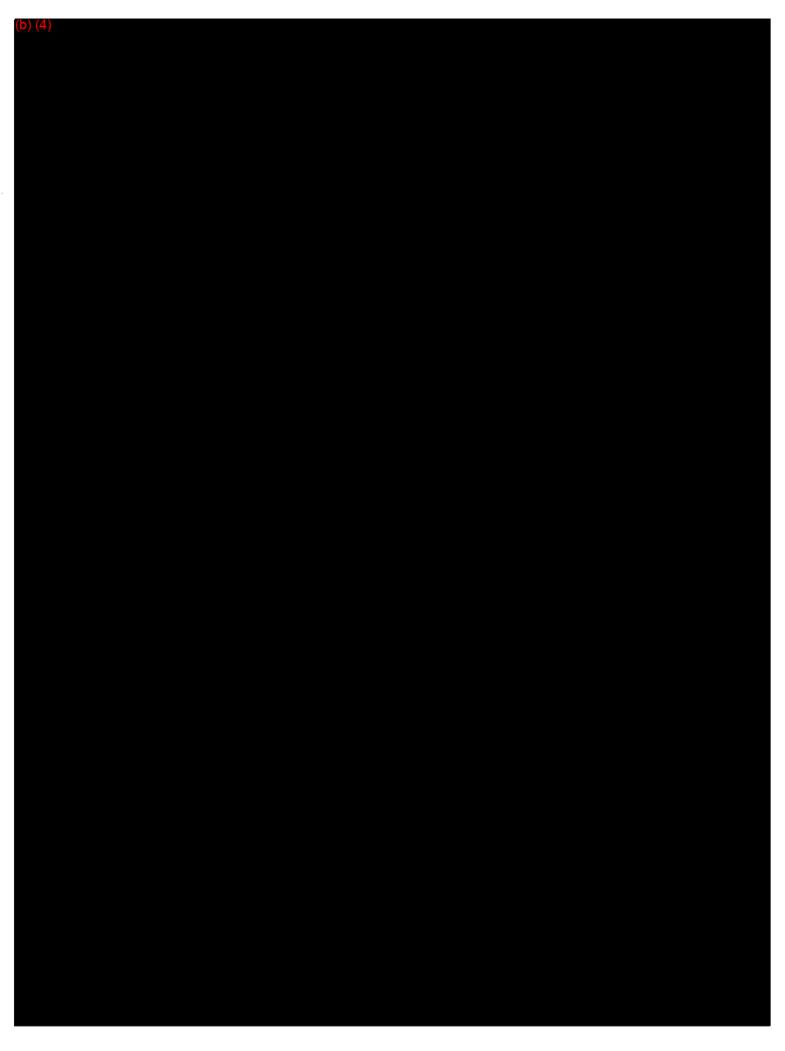


Material Safety Data Sheet













*** END OF MSDS ***



M

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/22/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile# 2945

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Produc Additives - Combustible

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: clear

Odor: pungent

pH: neutral

Physical State:

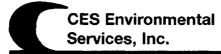
Incompatibilities: strong oxidizers
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



JB

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

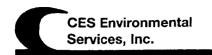
TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mate	rial Producer Infori	nation			
Company:	Afton Chemical C	orportation			-
Address:	501 Monsanto Av	enue			
City, State, Zip:	Suget, Il 66201				
Contact:	Ed Cox		Title:		
Phone No:	(618) 583-1078		Fax No:	(618) 58	3-1388
24/hr Phone:	(618) 583-1078				
U.S. EPA I.D. No:	na				
State I.D.	na		SIC Code:	na	
SECTION 2: Billin	g Information – 🛛	Same as Above		•	
Company:					
ddress:					
City, State, Zip:					
Contact:	·	Title:			
hone No:		Fax No:		***	
ECTION 3: Gener	ral Description of th	e Material / Product			
		ing or Producing the Ma + of dot pool Sludge Filter Cake			
olor:	(Odor:			
pecific Gravity (wa	iter=1)	Density - s/ga	.1		•
oes this material c	ontain any total phe	nolic compounds? 🔲 Y	es 📑 No		
oes this material co	ontain any para sub	stituted phenolic compou	ınds? 🗌 Yes 🏻 [∃No	
ayers:	Single-phase	☐ Multi-phase			
ontainer Type: ontainer Size:	☑ Drum <u>55 gal</u>	Tote	Truck		Other (explain)
requency:	☐ Weekly	☐ Monthly	☐ Quarterly	B	Yearly
umber of Units (co	ntainers): _	Other:			
`					
		Product			
oper U.S. DOT Sh	ipping Name:	Combustible Liqui	ds, N.O.S.,(Sulfur	ized olefins)
lass: 3	UN/N	A: NA1993	PG: III		RO: 1000 lbs

Flash Point \ 200 ' \f	PH 3-11	N/A	N/A		Solids	%
Oil&Grease	TOC List Grang/I	Zinc mg/l	Copper	Nickel		
mg/I	1 4.2 - mg/1	mg/1		1	ilig/i	
SECTION 4: Phys	sical and Chemical D	<u>ata</u>				
The mater	COMPONENT	S TABLE of the following materi	ials	Concentration Ranges are accept		Units or %
	<u> </u>	4 -				
See MS Perforn	nunce / Frel	Additive		100		%
SECTION 5: Safe	ty Related Data					
If the handling of to Standard	his material / produc	t requires the use of spe	ecial protective	equipment, please	explain.	
SECTION 6: Atta	ched Supporting Doc	uments				
		nalysis attached to this			duct prof	ile.
SECTION 7: Incom				•		
Please list all incom Strong Oxidizers	patibilities (if any):					
SECTION 8: Mate	erial Producer's Cert	fication				
attached description omissions of compo	is complete and accesition properties exist	on generator knowled arate to the best of my and that all known or secribed by this document	knowledge and uspected hazard	ability to determine	ne that no	deliberate or willful
Authorized Signatu	re: No Signa	one ry'd -	product	Date:		
Printed Name/Title	•					
	OT WRITE IN THIS SPA					
Technical Manager:	Pahrully 08 (App					
Date: 8-21-	OS (App	roved Rejected				

2945

Approval Number: _



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

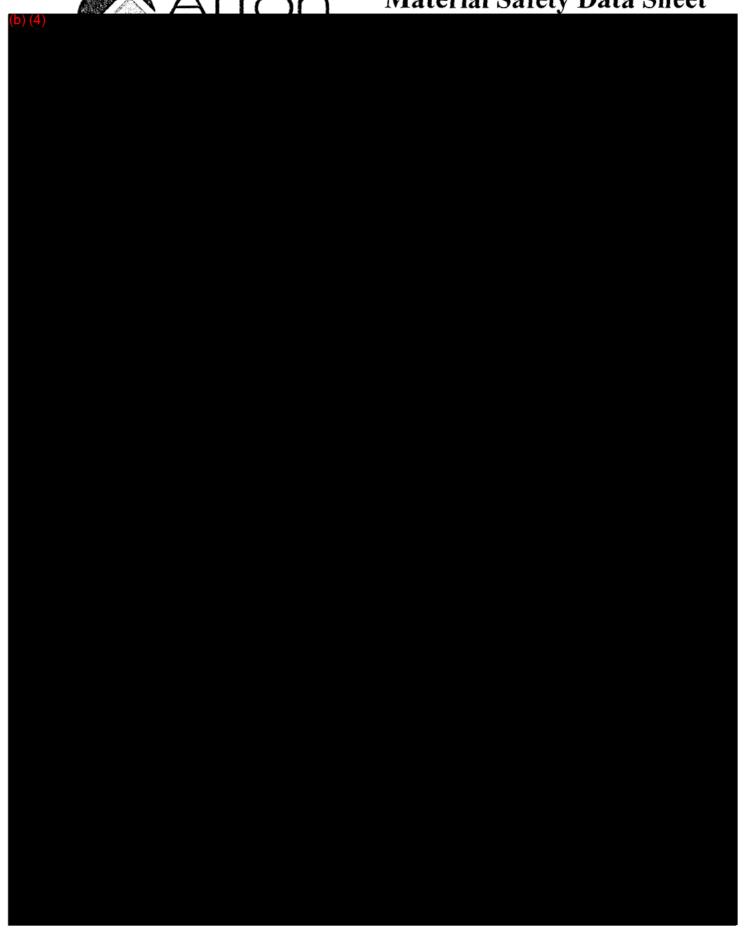
1.	Base Pricing (including freight):
	If brought in By CES on PCI backhaul: no chage/
	1 pay #0.15/gel Pay \$.019/ Formal
	If brought in by ond side wants porock of constitute Expense.
	1 pay \$0.15/get Pay \$.019/ get paud
2.	Contamination Limits (maximum limit before surcharges apply):
	Il drums are dong ged and one in an onevpoch and operating determines too many manhans are used to recover the material then there will be more than payment.
	determines too many manhans are med record the
	material then that were
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	Rocard quantity in each drum. Number each drum
	A COLUMN ME and DIOMES TO THE ON THE MENTY
	US. But to Dotal patous the tolk record than a capy of the
	most order, the take with most of an internal works of galling
5.	Treatment and Handling Protocol: Sure 10 do an in locumily should be sure to do an in locumily should
J.	Once inventory has been given to product seles,
	the material will be resold so is, according to
	directed by product seles person.
6.	Treated Wastewater Discharge Subcategory:
- .	2
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



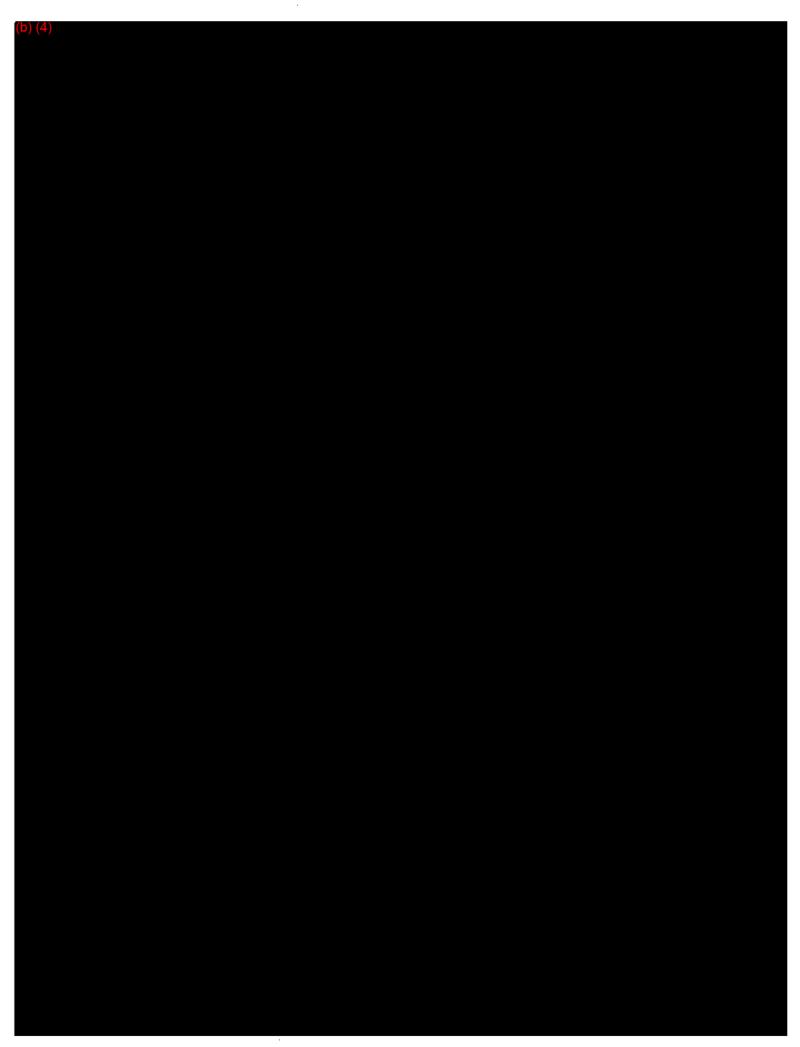
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

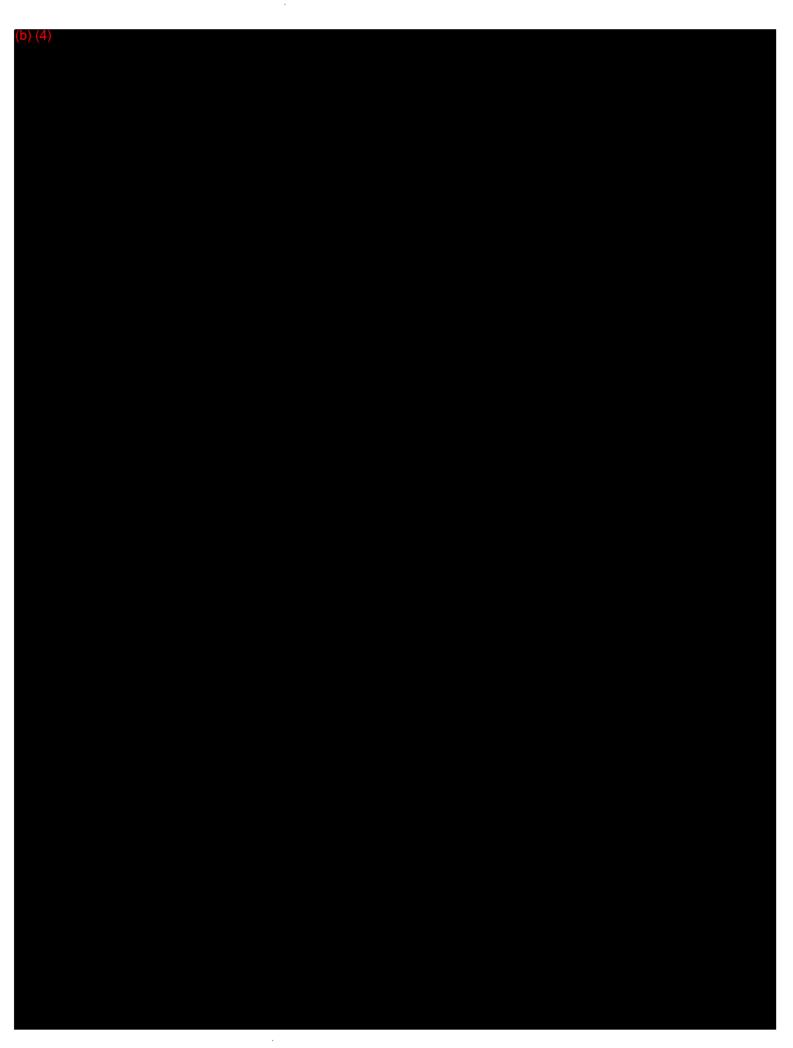
/.	lests for Product Recovered/Recycled (if applicable):
	See Special testing requirements
:	
8.	Management for Product Recovered/Recycled (if applicable):
	See treatment & nanding protocol

One example Material Safety Data Sheet







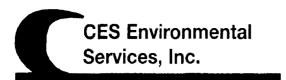






*** END OF MSDS ***

2946 Amenforge



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/23/2008

Dear Jimmy Watts

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2946

Expiration Date 10/23/2010

Generator: Ameriforge Woodville

Address: 483 CR 3020

Woodville, TX 75979

Waste Information

Name of Waste: Recyclable oily absorbent

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Absorbent used to clean up oil in machine shop

Color: varies Odor: hydrocabon

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

pH: na

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.





TCEQ Industrial Solid Waste Permit Number: 30948

thuston Teemina

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Company: Ameriforge Woodville Address: 483 CR 3020 City: Woodville State: TX Zip: 75979 Contact: Jimmy Watts Title: Maintenance Manager Phone Number: 409-283-8138 x 5327 Fax Number: 409-331-9089 409-429-0489 24/hr Phone Number: US EPA ID No: 05011088804 SIC Code: State ID No: SECTION 2: Billing Information -
Same as Above Company: Ameriforge Woodville Address: P.O. Box 2070 Woodville State: TX Zip: 75979 City: Contact: Title: Phone Number: Fax Number: SECTION 3: General Description of the Waste Name of Waste: Recyclable Oily Absorbent **Detailed Description of Process Generating Waste:** Absorbent used to celan up oil in machine shop Physical State: Liquid Sludge Powder Combination 4 Solid Filter Cake Hydrocarbon Odor: Color: varies 8.5 lbs/gal Density: Specific Gravity (water=1): ☑ No Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? П Yes ✓ No is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes 1 No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2822 2823 2824 2833 2834 2812 2813 2816 2819 2821 2861 2869 2835 2836 2841 2842 2843 2844 2851 2865 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 4959 3312 4953 9511 Single-phase Multi-phase Layers: Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain) Frequency: Weekly Monthly Yearly One-Time Quantity: 10

Yes

✓ No

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

If "Yes", then please co	-						iereto	
if "Yes", is it: Characteristic for Toxic Characteristic for Toxic		☐ D004 ☐ D010	□ D01	5 🔲 D006 1] D003 (Read 3 □ D007		☐ D009	•
			ф (р.сссо					
is this an "F" or "K" Lis If "Yes", then please				Y	es 🗸	No		
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please	•		Yes 🖸	arry a "U" or "F ∐ No	o" waste cod	e under		
Texas State Waste Cod	e Number:		Recyclabl	e Material				
Proper US DOT Shippin				Regulated Solid				
Class: NA	UN/NA:	NA	PG:	NA	_RQ:	NA .		
Flash Point		oH	React	ive Sulfides	Reactive (Cyanides	Sol	ids
>150	N	IA AI	NA	<u>mg/l</u>	NA	mg/l	100	%
Oil & Grease		OC		Zinc	Cop			kel
>1500 <u>mg/l</u>	NA	<u>mg/l</u>	NA	mg/l	NA	mg/l	NA NA	<u>mg/l</u>
SECTION 4: Physical an	d Chemical D			T	CONCENTI	PATOIN		UNITS
The waste cons			İs	+ ;	Ranges are a			or %
	Absorbent				95-9			%
	Oil (hydraulic)	1			1-5			%
				<u> </u>				
····					- <u> </u>			
								<u> </u>
								ļ

				_				
								
								
								
SPOTION E. S-C-1-7	4-2 D-4-	,						
SECTION 5: Safety Refa If the handling of this was		o upo of ano-:	al protock	to continuont -	laana auminin			
ir the nanoling of this was Standard	ie requires th	e use ui speci	ai protectiv	e ednibilieni' b	icase expiain	•		

SECTION 6: Attached 5 List all documents, notes approval package.	<u>Supporting Documents</u> , data and/or analysis attached to this form as Analytical 7060125	part of the waste
	Addition of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	
SECTION 7: Incompati Please list ALL incompat None		
SECTION 8: Generator	's Knowledge Documentation	
	e hazardous waste characteristics, listed belo	N, WAS NOT PERFORMED
TCLP Metals:		
TCLP Volatiles: TCLP Semi-Volatiles:	X	
Reactivity:	Ŷ.	
Corrosivity:	X	
Ignitability:	<u>x</u>	
Treatment Facilities)		to Pre-Treatment Requirements for Centralized Waste
	al a wastewater or wastewater sludge? complete this section.	∐ YES ☑ NO
PLEASE CHI	ECK THE APPROPRIATE BOX. IF NO APPROF	PRIATE CATEGORY, GO TO THE NEXT PAGE.
Metal finishing Chromate wa Air pollution of Spent anodizi Inclineration w Waste liquid i Cyanide-cont Waste acids a Cleaning, rins Vibratory deb	plating baths and/or sludges g rinse water and sludges stes control blow down water and sludges ing solutions vastewaters	
☐ Lubricants ☐ Coclants ☐ Contaminated ☐ Used petrolet ☐ Oil spill clean- ☐ Bilge water	ulsions or mixtures il groundwater clean-up from petroleum sources im products	

	Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources
(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10	Additional Instructions
Copper, Nicke	determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, et, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This pacceptance. The generator will be responsible for the cost of the analysis.
The informal I hereby cert my knowledo properties ex materials tes	1: Generator's Certification tion contained herein is based on generator knowledge and/or analytical data. diffy that the above and attached description is complete and accurate to the best of ge and ability to determine that no deliberate or willful omissions of compostion also that all known or suspected hazards have been disclosed. I certify that the sted are representative of all materials described by this document.
Authorized : Printed Nam	
Compliance	10-23-28 Approved 🔲 Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$35.00/drum plus freight
2. Contamination Limit (maximum limit before surchages apply):
None ivlust fit profile
3. Surcharge Pricing:
None
4. Special Testing Requirements:
None must not be re true liquids
I follow the true May and
5. Treatment and Handling Protocol:
RECYCLE
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
NA	
	-
8. Management for Product Recovered/Recycled (if applicable)	
NA	

Mercury Environmental Services, Inc.

6913 HWY 225. Deer Park. TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Attn:

Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#:

7060125

Client Sample ID:

Absorbent

Extended ID:

Texas Metal Works

Sample Receipt Date: 6/7/2007 @ 4:35:00 PM

Sample Collect Date: 6/6/2007 @ 4:00:00 PM

Sample Type:

Grab

Test Group / Method

rest Group / metrod					
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: HDGIL Date / Time
Arsenic	0.014	5	0.015	mg/L	6/12/2007 / 12:12: AM
Barium	0.0005	100	0.527	mg/L	6/12/2007 / 12:12 AM
Cadmium	0.002	1	< 0.002	mg/L	6/12/2007 / 12:1:2 AM
Chromium	0.002	5	0.006	mg/L	6/12/2007 / 12:1:2 AM
Lead	0.005	5	< 0.005	mg/L	6/12/2007 / 12:12 AM
Selenium	0.024	1	< 0.024	mg/L	6/12/2007 / 12:1:2 AM
Silver	0.002	5	< 0.002	mg/L	6/12/2007 / 12:12 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	6/8/2007 / 5:24 PM
BTEX Method: SW-846 8021B	MDL		Result	Units _	Analyst: HDG Date / Time
Benzene	0.5		< 0.5	mg/kg	6/11/2007 / 7:37 PM
Toluene	0.5		< 0.5	mg/kg	6/11/2007 / 7:37 PM
Ethyl benzene	0.5		< 0.5	mg/kg	6/11/2007 / 7:37 PM
M+P-Xylene	0.5		0.6	mg/kg	6/11/2007 / 7:25 PM
o-Xylene	0.5		< 0.5	mg/kg	6/11/2007 / 7:25 PM
				-	

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Thursday, June 14, 2007

Holland D. Gilmore, Laboratory Director

Date

Report Date: 14-Jun-07

Page 1 of 1

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park. TX 77536 Phone: (281)-476-4534 Fox: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

Fax: (713) 676-1676

Attn:

Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#:

7060126

Client Sample ID:

Sump Sludge

Extended ID:

Texas Metal Works

Sample Collect Date: 6/6/2007 @ 4:00:00 PM

Sample Type:

Comp

Sample Receipt Date: 6/7/2007 @ 4:35:00 PM

Test Group / Method						_
TCLP Metals (8) Method: SW-846 6010B	MDL	RL	Result	Units_	Analyst: HDe Date / Time	GIL
Arsenic	0.014	5	< 0.014	mg/L	6/12/2007 /	12:18 AM
Barium	0.0005	100	0.397	mg/L	6/12/2007 /	12:18-AM
Cadmium	0.002	1	< 0.002	mg/L	6/12/2007 /	12:18 AM
Chromium	0.002	5	0.004	mg/L	6/12/2007 /	12:18 AM
Lead	0.005	5	< 0.005	mg/L	6/12/2007 /	12:18 AM
Selenium	0.024	1	< 0.024	mg/L	6/12/2007 /	12:18 AM
Silver	0.002	5	< 0.002	mg/L	6/12/2007 /	12:18 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: AM Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	6/8/2007 /	5:27 PM
BTEX Method: SW-846 8021B	MDL		Result	Units	Analyst: HD0 Date / Time	3
Benzene	0.5		< 0.5	mg/kg	6/11/2007 /	11:27 PM
Toluene	0.5		< 0.5	mg/kg	6/11/2007 /	11:27 PM
Ethyl benzene	0,5		< 0.5	mg/kg	6/11/2007 /	11:27 PM
M+P-Xylene	0.5		< 0.5	mg/kg	6/11/2007 /	11:27 PM
o-Xylene	0.5		< 0.5	mg/kg	6/11/2007 /	11:2.7 PM
Reactivity, Recoverable Hydroge Method: 7.3.3.2	en Cyanide MDL		Result	Units	Analyst: CL Date / Time	
111401001 7:0:0:0						
Hydrogen Cyanide	0.25		< 0.25	mg/kg	6/8/2007 /	2:16 PM
Hydrogen Cyanide Reactivity, Recoverable Hydroge	0.25 en Sulfide			-	Analyst: CL	2:16 PM
Hydrogen Cyanide	0.25		< 0.25 Result < 0.25	mg/kg Units mg/kg		2:16 PM 12:00 PM

Report Date: 14-Jun-07

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

7060126

Client Sample ID:

Sump Sludge

Extended ID:

Texas Metal Works

Sample Collect Date: 6/6/2007 @ 4:00:00 PM

Sample Type:

Comp

Sample Receipt Date: 6/7/2007 @ 4:35:00 PM

Corrosivity: pH Method: SW-846 9045	MDL	Result	Units	Analyst: CL Date / Time
рН		8.61		6/8/2007 / 10:48 AM
Ignitability Method: SW-846 1010	MDL	Result	Un <u>its</u>	Analyst: DEB Date / Time
Flashpoint		>150	deg F	6/8/2007 / 11:3() AM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Thursday, June 14, 2007

Date

7060125 - 7060126

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

MES

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPI
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	94 105.0 109.4 109 106.1 101.0 108.1 110	94 105 110.9 107 109.2 97.5 91.4 109	0.7 0.43 1.32 2.50 2.90 3.53 16.7 0.91	< 0.002 < 0.002 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.024 < 0.001	91 101 107 103 107 102.0 87 104	76.4 65.2 70.9 70.0 67.7 64.9 73.4	77.2 67.7 72.0 72.2 71.9 61.8 75.6	1.04 3.8 1.5 3.0 6.1 5.0 3.06
ANALYTE		STD							
Flashpoint		82°F		_					
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD					
рН	7.0	8.23	8.26	0.00					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD					
Reactivity as F	lydrogen Sulfide	< 0.25	< 0.25	0.00					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD	STD %REC				

Reactivity as Hydrogen Cyanide < 0.25 < 0.25 0.00 104

ANALYTES	METHOD 8021B	MB mg/kg	MS %REC	MSD %REC	RPD	STD %REC	
Benzene		< 0.5	90.8	91.0	0.22	89.6	
Toluene		< 0.5	100.0	101.0	1.00	98.9	
Ethylbenzene		< 0.5	99.8	104.0	4.12	99.7	
m+p Xylene		< 0.5	102.0	112.0	9,35	110.3	
o-Xylene		< 0.5	97,3	108.0	10.42	103.2	

– Mercury Environmental Services, Inc. –

70/30125 - 70/60126 Page 2

QA/QC REPORT CONTINUED

MES

7060125 SURROGATE SPIKE RECOVERY FOR BTEX % REC 103.2 4. Bromofluorobenzene 7060126 SURROGATE SPIKE RECOVERY FOR BTEX % REC 4-Bromofluorobenzene 97.7

Standards Utilized:

BITEX: 5-point calibration utilizing working standards derived from neat solution of benzene, toluene, ethylbenzene, m-xylene, p-xylene and o-xylene.

Key to QA Abbreviations

MS=Matrix Spike MSD=Matrix Spike Duplicate RPD=Relative Percent Deviation MB=Method Blank

LCS=Laboratory Control Standard CCV=Continuing Calibration Verification CCB=Continuing Calibration Blank Rec=Percent Recovery

Signature:

Holland D. Gilmore / Laboratory Director

June 14, 2007

r Mercury Environmental Services, Inc. —

-2814764406

15:46

06/14/2007

11

PAGE

COMPANY NAME: (BILL TO:)	Environ	repta	Q >		MES (281)					1-800-771-4MES (281) 476-4534				
COMPANY ADDRESS: E 4904 OF 1005 Pd											Fax (281)-476-4406			
CONTACT PERSON'S NAME: DULY	A COURT	AIE 1	ZIP	100		PA	RAME	TERS F	OR AN	IALYSI	s		1	REMARKS
CONTACT PERSON'S PHONE: 13-	748-980	FAX#:	713-1071	0-1676	4	Metals							AINERS	TURNAROUND TIME
PROJECT ADDRESS:			roject name: HY SUX	oju								NUMBER OF CONT.	PRESERVA MONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED Yes No
YOUR SAMPLE DESCRIPTION	GRAB/COMP	DATE	TIME	MATRIX	$\forall hathacksightarrow$	$\{\emptyset$	P	1			_	\$	PRES	Please circle one, Il Yes, please describe below
Alaxurbent	Cholo	10/10	HOOpm		TX	X								or include separate sheet detailing requirements.
Sump Sludge	Comp	lille	400pm	J	X	X	X							
' 0					1									
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]				<u> </u>	<u></u>					
PERSON TAKING SAMPLE SIGNATURE (B PAI	. Dang	ulla	Au		INOUSHER INDICAL	rai	<u>Ca</u>	r of	a	DAI	7/07	11ME 1435		nature) Purk
RELINQUISHED BY: (Signature)	DATE TIME	RECEIVE (Signature)			JMQUISHEI rature)	D BY:				DÁ	TE T	TIME		ON VED BY:
METHOD OF PAYMENT	SHIPPED BY: (Signature)		COU (Signs	RIER sture)				(Sig	CNIVED (-OH ME	BB	lic	le	DATE TIME 35
Sample Remainder Disposal B D Return Sample Remainder To Client Via				ł	Request	Leb Ye I	Dispose	OI AII S	amble F	emaine	lers		- I	()
Form # MES - CCR				(Sig	nature}			= =		==			Dale]	

- CHAIN OF CUSTODY

MES

1-800-771-4MES

(281) 476-4534

Fax (281)-476-4406

Environmental

COMPANY NAME: (BILL TO:)

COMPANY ADDRESS:

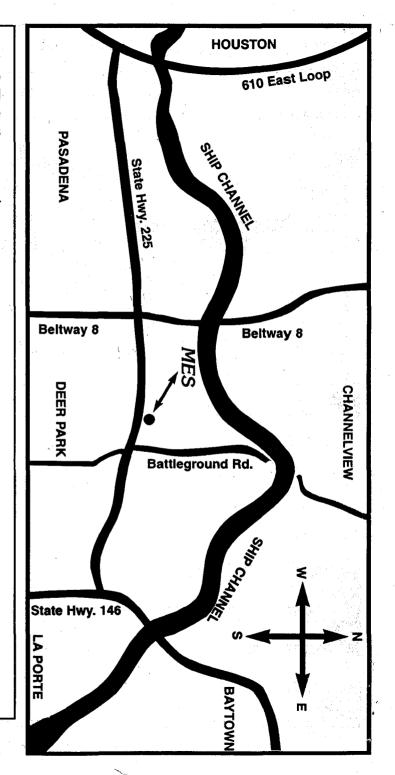
EPAHO106000552

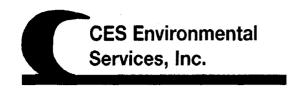
CHAIN OF CUSTODY

A chain of custody is one of the first steps in sample control in the laboratory. The Chain of custody is a "contract between the client and the laboratory to insure that all information from the client is transmitted to the laboratory in an ordered fashion. The company designated in Section 1 will be held liable for all invoicing related to this chain of custody per terms agreed upon.

Procedure

- A. A three copy chain of custody shall be used. A ball-point pen, either blue or black shall be used, pressing hard to make all three copies
- B. Writing legibly, or printing, fill out the chain of custody as follows:
 - Name of Company
 Address of Company
 Name of Person to Contact
 Contact Person's Phone Number
 - 2 Your Project Number Purchase Order Number Your Project Name and Address
 - 3 Sample Description(s)
 Date, Time and Matrix
 - 4 Parameters to be tested on samples
 Check parameter squares with sample descriptions
 - 5 Remarks
 Turn Around Time (TAT) required (normal TAT, Rush, etc.)
 Special Methods and Detection Limits, if needed
 - a. Print Sampler's Nameb. Sampler's Signature
 - 7 Sample Possession Information
 - 8 Sample Disposal Means of Disposal





Waste Pre-Acceptance/Approval Letter

Date 10/29/2008

Dear Dan Stinson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2947

Expiration Date 8/21/2010

Generator: AT&T

Address: 1121 Capitol

Houston, TX 77002

Waste Information

Name of Waste: TPH Contaminated Soil

TCEQ Waste Code #: CESQ3191

Container Type:

vac box

Detailed Description of Process Generating Waste:

soil and water removed from around an underground storage tank last containing diesel

Color: light to dark brown

Odor: slight hydrocarbon

pH: 4-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



Layers: Single-phase	4904 Griggs Road, I Phone: (713) 676-14 TCEQ Industrial So		676-1676 948	CES Environmental Services – Port Arthur Facility 2420 S. Gulfway Drive, Port Arthur, TX 77641 Phone: (713) 676-1460 Fax: (713) 676-1676 U.S. EPA ID No: TXR000079307 ISWR No: 88585					
Andreward	SECTION 1: Mater	rial Producer Information	1						
Address: 1121 Capitol Houston, TX 77002			<u> </u>						
City, State, Zip: Houston, TX 77002		1121 Capitol							
Phone No:	City, State, Zip:								
Phone No:	Contact:	Dan Stinson	·	Title:	Agent for	generator			
U.S. EPA LD. No: Na	Phone No:	713-829-6906							
Size LD. Na	24/hr Phone:	713-829-6906		_					
SECTION 2: Billing Information Same as Above	U.S. EPA I.D. No:	Na							
B & K Services	State I.D.	Na		SIC Code:					
City, State, Zip: Alvin, TX 77512 Contact: 713-829-6906 Title: Agent for Generator Phone No: 713-829-6906 Fax No: 281-331-9509 SECTION 3: General Description of the Material / Product Name of Material / Product: TPH Contaminated Soil Detailed Description of Process Generating or Producing the Material / Product: Soil and water removed from around an underground storage tank last containing diesel Physical State: Liquid Sludge Powder Combination Color: Varies Odor: Slight Hydrocarbon Specific Gravity (water=1): 1.2-1.5 Density: 10-12 lbs/gal Does this material contain any total phenolic compounds? Yes No Does this material contain any para substituted phenolic compounds? Yes No Layers: Single-phase Multi-phase Container Type: Drum Tote Truck Other (explain) Container Size: Vacuum Box Frequency: Weekly Monthly Quarterly Yearly Number of Units (containers): 1-4 Other: TPH Contaminated Soil	Company:	B & K Services	as Above						
Contact: 713-829-6906 Title: Agent for Generator Phone No: 713-829-6906 Fax No: 281-331-9509 SECTION 3: General Description of the Material / Product Name of Material / Product: TPH Contaminated Soil Detailed Description of Process Generating or Producing the Material / Product: Soil and water removed from around an underground storage tank last containing diesel Physical State: Liquid Solid Filter Cake Combination Color: Varies Odor: Slight Hydrocarbon Specific Gravity (water=1): 1.2-1.5 Density: 10-12 lbs/gal Does this material contain any total phenolic compounds? Yes No Does this material contain any para substituted phenolic compounds? Yes No Layers: Single-phase Multi-phase Container Type: Drum Tote Truck Other (explain) Container Size: Vacuum Box Frequency: Weekly Monthly Quarterly Yearly Number of Units (containers): 1-4 Other:	_								
Phone No: 713-829-6906		· · · · · · · · · · · · · · · · · · ·	Title:	Agent for Ger	nerator				
Name of Material / Product: TPH Contaminated Soil Detailed Description of Process Generating or Producing the Material / Product: Soil and water removed from around an underground storage tank last containing diese Physical State:	Phone No:	713-829-6906	Fax No:						
Solid Filter Cake Combination	Name of Material / Detailed Description	Product: TPH Contaminate of Process Generating of	ted Soil	erial / Product:	Soil and wa	ter removed from around an			
Specific Gravity (water=1): 1.2-1.5	Physical State:	-			n				
Does this material contain any total phenolic compounds?	Color: <u>Varies</u>	Odor:	Slight Hydrocarbon						
Does this material contain any para substituted phenolic compounds?	Specific Gravity (wa	nter=1): <u>1.2-1.5</u> D	ensity: <u>10-12</u> lbs/gal						
Layers: Single-phase	Does this material c	ontain any total phenolic	compounds?	⊠·No		introcur C			
Container Type: Drum Tote Truck Other (explain) Container Size: Monthly Quarterly Frequency: Weekly Monthly Quarterly Number of Units (containers): 1-4 Proper U.S. DOT Shipping Name: TPH Contaminated Soil	Does this material c		_	ids? 🗌 Yes	⊠ No	Solid			
Container Size: Weekly Monthly Quarterly Yearly Number of Units (containers): 1-4 Other: CESQ 3191 Proper U.S. DOT Shipping Name: TPH Contaminated Soil	Layers:	⊠ Single-phase	☐ Multi-phase						
Number of Units (containers): 1-4 Other: CESQ 3 1 9 1 Proper U.S. DOT Shipping Name: TPH Contaminated Soil		□ Drum □	Tote [Truck	\boxtimes	` • ′			
Proper U.S. DOT Shipping Name: TPH Contaminated Soil		ontainers): 1-4	Other:	Quarterly		Yearly			
	Proper U.S. DOT SI			Soil		V ⁰⁻¹² i.			
	Class: Na	UN/NA:	Na	PG: Na	ļ.	RQ: Na			

Flash Point	pН	N/A	N/A	Solids
<u>>160</u>	4-9			<u>50-90</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
>100mg/l	NAmg/I	Namg/I	<u>Na</u> mg/I	<u>Na</u> mg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Soil	87-94	%
Diesel	1-3	%
Water	5-10	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. None-Generator knowledge

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Material Producer's Certification	
The information contained herein is based on \boxtimes generator knowledge a attached description is complete and accurate to the best of my know omissions of composition properties exist and that all known or suspect tested are representative of all materials described by this document. Authorized Signature: Stephen A. Stinson	ledge and ability to determine that no deliberate or willful
Technical Manager: Polylla Approved Rejected	
Approval Number: 2947	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

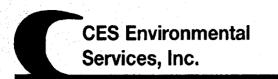
1.	Base Pricing (including freight):
	\$50/YD Class 1 Solid
	Trans \$70/hr
2.	Contamination Limits (maximum limit before surcharges apply):
	Not conforming to profile
	or Analysis dictates otherwise
}	
3.	Surcharge Pricing:
[If wet \$65/yd
1	
Į	
4.	Special Testing Requirements:
	Flash
Į	
5.	Treatment and Handling Protocol:
ر.	
	Hold for results of outside lab analysis to go to HPP
	After results are received forward to HPP under CES General Profile Trans to HPP should be billed to customer
	Trails to FIFF should be blifed to customer
ļ	
l	
6.	Treated Wastewater Discharge Subcategory:
٠.	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na

2948 Letourneau Technologies



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: neutral

Waste Pre-Acceptance/Approval Letter

Date 8/22/2008

Dear Keith Hoye

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2948

Expiration Date 8/22/2010

Generator: Letourneau Technologies

Address: 6401 West Sam Houston Parkway

Houston, TX 77041

Waste Information

Name of Waste: oil filters
TCEO Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

spent oil filters from equipment fluid changes

Color: varous Odor: oil like

Physical State:

Incompatibilities: strong oxidizers **Safety Related Data/Special Handling:**

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

		or iniormati											
		au Technol											
Address:	6401 W	st Sam Hou	ston Parkwa	ау	_								
City:	Houston			;	State:	TX		_Zip:					77041
Contact:	Keith Ho	ye				_Title:							
Phone Num	ber:	(832) 7	82-6655			Fax Number	er:	(832) 782-6	6638	- <u>-</u>			
24/hr Phon	e Number	: (713) 2	05-7297	•		-							
US EPA ID N	lo:	TXCEQ	SG			-							
State ID No	:	CESQG				SIC Code:					· · ·		
		-				-							
SECTION 2: Company:	Billing Inf	ormation -	✓ <u>S</u> a	ime as A	<u>bove</u>								
Address:													
City:					State:			_Zip:					
Contact:					_	_Title:							
Phone Num	ber:					Fax Numbe	er:						
SECTION 3:		•		<u>te</u>									
Name of Wa		Oil Filte											
Detailed De	scription	of Process (Generating '	Waste:									
Spent oil filt	ers from e	equipment f	luid change	es.									
Physical Sta	ite:	Liquid Solid			Sludge Filter Cake	: [Powder Combination	on				
Color:	various					Odor:		oil like					
Specific Gra	vity (wate	er=1):	na			-		Density:	na	lbs/	gal		
Does this m	aterial co	ntain any to	otal phenoli	c compo	unds?		Yes	V	No				
Does this m	aterial co	ntain any p	ara substitu	ited phe	nolic comp	oounds?			Yes	✓ No			
Is the Waste	e subiect 1	o the benze	ene waste o	peration	NESHAP?	(40 CFR Pa	rt 6	1. Subpart I	FF)		Yes	V	No
Answer "Yes	-			-		=		•	•	following:			
2812		313	2816	2819	2821	=	322	-		2824	2833		2834
2835		336	2841	2842	2843		344			2861	2865		2869
2873											2899		
		374	2876	2879	2891	20	392	2893		2896	2899		2911
. 3312	45	953	4959	9511									
Layers:		Single-phase		Multi-									
Container T	ype: [✓ Drum	☐ Tote	: 🗆	Truck 🗌	Other (exp	lain	1)					
Frequency: Quantity:		kly 🗹 Mo	enthly 🗌	Yearly [One-T	ime							

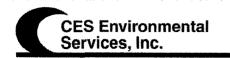
Is this a USEPA "Hazardous Waste" per 40CFR 261.3? Yes V No If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto						
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D010 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)	D009 □ 800D					
Is this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes:						
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)?						
Texas State Waste Code Number: Recycle						
Proper US DOT Shipping Name: Non RCRA Non DOT regulated material (oil filters)						
Class: na UN/NA: na PG: na RQ: na						
Flash Point pH Reactive Sulfides Reactive Cyani	des Solids					
>140 neutral 0 <u>mg/l</u> 0 m	g/l 100 %					
Oil & Grease TOC Zinc Copper	Nickel					
>1500 <u>mg/l</u> >1500 <u>mg/l</u> 0 <u>mg/l</u> 0 mg	g/l 0 <u>mg/l</u>					

SECTION 4:	Physica	l and (Chemical	Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
motor and transmission oil filters.	95-100	%
rags	0-5	%

	ing of this wa		use of special	protective ed	uipment, please	explain.	
	ments, notes	pporting Docum , data and/or and		I to this form	as part of the wa	ste	
		lities bilities (if any):					
Laboratory	analysis of the	Knowledge Doc e hazardous was g generator knov	te characteris	tics, listed be	ow, WAS NOT PE	ERFORMED	
TCLP Metals	s:	x					
TCLP Volatil		x					
TCLP Semi-\	/olatiles:	x		 -			
Reactivity:		x					
Corrosivity:		x					
Ignitability:		x					
SECTION 9: V	Is this materi If 'Yes', c	al a wastewater o complete this sect	r wastewater sl on.	ludge?	re-Treatment Req	☐ YES	r Centralized Waste Treatment NO PAGE.
Metals Subc	ategory : Subt	oart A					
	Spent electro	plating baths and					
<u>_</u>		ng rinse water and	sludges				
<u></u>	Chromate wa	istes control blow dow	n water and slu	ıdaes			
	Spent anodiz						
	Incineration v	wastewaters					•
	Waste liquid			11			
·		aining wastes gre and bases with or		-			
F	•				ctroplating or pho	sphating ope	erations
	Vibratory del	burring wastewate	er				
	Alkaline and	acid solutions use	d to clean meta	al parts or equi	pment		
Oils Subcate	g <u>ory</u> : Subpart	+ R					
<u>ons subcute</u>	Used oils						
	5	ulsions or mixture	s				
Ļ	Lubricants						
F	Coolants Contaminate	d groundwater cle	an-un from no	traleum saura) c		
-	Used petrole		.an-up nom pe	a orcam sould			
	Oil spill clean	•					
	Bilge water	•					
] Rinse/wash v	vaters from petro	eum sources				

☐ Interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
in the matter contains on and greate at or in cheese of 200 mg/2, the waste should be discontinuing on additional state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on $\ \ \ \ \ \ \ \ \ \ \ \ \ $
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of compostion
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials described by this document.
, , , , , , , , , , , , , , , , , , , ,
Authorized Signature: Date:
Printed Name/Title:
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer:
Date: 8-22-08 VApproved Rejected
Approval Number: 2948



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$35/dm TRANS \$70/hr+F8c
TRANS \$70/hr+F8c
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/22/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2949

Expiration Date 8/22/2010

Generator: Green Hunter Biofuels **Address:** 13605 Industrial Blvd

Houston, TX 77015

Waste Information

Name of Waste: methanol washwater TCEQ Waste Code #: CESQ1011

Container Type:

Detailed Description of Process Generating Waste:

waswater generated from the production of biodiesel in the mathanol washout step

Color: brown

Odor: alcohol

pH: 4-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Gener	ator Informa	<u>tion</u>		_ ^	•					
Company:	Coreen	Hun	ter =	Riohu	ls					
Address:	13605	Ind	usmal	Blv	4					
City:	Hauston		St:	ate:	又 Zi	p: <u> </u>	77015			
Contact:	Term	Wilso	n	Titl	e:		•			
Phone Number:		712-	574-	- 9529Fax	Number:	713 -	- 568-	4444	/	
24/hr Phone Numl	ber: 🛚 🕏	37 - 3	31:74	477			<u> </u>	• • •		
US EPA ID No:										
State ID No:				SIC	Code:					
SECTION 2: Billing	Information	<u>- 🔲 s</u> i	ame as Abo	<u>ve</u>	4					
Company:	menix	Poll	ution	Contro	l					
Address:	720	S. Lun	ch burg	RA	•					
City: 2	au town	J	St/	ate:	Zi _l	p:	77520			
Contact:	Steve	Sams		Titl						
Phone Number:		713-	530-	#5 <u>50</u> Fax	Number:					
SECTION 3: Gener	al Description	of the Was	<u>te</u>							
Name of Waste:	1	Netho	m ol	Was	h water					
Detailed Description	on of Process	Generating	Waste:							
		_		^	i			,	0	
(Nach /)	ater	gener	wed	tim	the T	moduet	in of	oidies	el in th	e
meth	and	0106	nout	Sen						_
Physical State:	Ž Liquid	00.0	☐ Slu	ıdge	□ Pc	wder				
	Solid		Fil	ter Cake	Co	mbination				
Color:	Drown			Odo		alu	ho(
Specific Gravity (w	ater=1):	:	0.95-	1.05	De	ensity: 7.	9-8.8 bs/s	gal		
			_		_					
Does this material	contain any i	otal phenol	ic compour	ids?	∐ Yes	⊠ No				
Does this material	contain any p	para substitu	ited pheno	lic compoun	ds?	Yes	🔀 No			
Is the Waste subje	ct to the ben	zene waste (peration N	IESHAP? (40	CFR Part 61.	Subpart FF)	П	Yes 🔀] No	
Answer "Yes" if you							e following:			
2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869	
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	
3312	4953	4959	9511							
Layers:	Single-phas	se 🗌	Multi-ph	ase						
Container Type:	☐ Drum	☐ Tote	e 🏿 Tru	uck 🗌 Oth	er (explain)					
Frequency: 🗶 W	rookhi 🗀 sa	anthly 🗆	Voorle:	One Time						
	2		rearly <u></u>	One-Time						
	- 1									

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? If "Yes", then please complete, sign and date the Underlying Haza	Yes No rdous Constituents Form attached hereto		
If "Yes", Is it: D001 (Ignitable) D002 (Cor Characteristic for Toxic Metals: D004 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list a	5 D006 D007 D008	□ D009	
Is this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes:	☐ Yes ৄ No		
Is this a commercial product or spill cleanup that would carry 40 CFR 261.33(e) or (f)? Yes If "Yes", then please list ALL applicable codes:	a "U" or "P" waste code under No		
Texas State Waste Code Number:	SQ 1011*		
Proper US DOT Shipping Name: Class:UN/NA:PG:	Non- DOT Regulated Non- DOT Regulated N/A	Washwater Calcohol exem	hito
	ive Sulfides Reactive Cyanides	Solids	
	A mg/l N/A mg/l	2) %	
	Zinc Copper	Nickel	
$\angle 1500 mg/1 \angle 25000 mg/1 \lambda$) <u>A mg/l</u> N/A mg/l	$N/A \frac{\text{mg/l}}{}$	
SECTION 4: Physical and Chemical Data			
COMPONENTS TABLE	CONCENTRATOIN	UNITS	
The waste consists of the following materials	Ranges are acceptable	or %	
methanol water	025	9/ ₅	
William	95-100	/8	
1	<u> </u>		

				protective eq	uipment, please	explain.	
			<u> </u>				
				to this form a	as part of the wa	ste	
Please list /	: Incompatibil	ilities (if any):					
Laboratory	: Generator's analysis of the the following	hazardous wa	aste characterist	ics, listed belo	ow, WAS NOT PE	RFORMED	
TCLP Metal	ls:	NA					
TCLP Volati	les:	N/A					
TCLP Semi-	Volatiles:	n(la					
Reactivity:		AL PA					/A
Corrosivity	:	ai ka					
Ignitability:		N YP					
,		—— * *					
SECTION 9:	Waste Receipt	Classification U	nder 40 CFR 437 (Prtaining to Pr	e-Treatment Requ	uirements fo	r Centralized Waste Treatment
Facilities)							
			or wastewater sli	udge?		YES YES	☐ NO
	If 'Yes', co	omplete this sec	ction.			•	
	PLEASE CHECK	CTHF ΔPPR∩PR	IATE ROX IF NO	APPROPRIATE	CATEGORY, GO TO	O THE NEXT	PAGF.
	TEASE CHECK	· · · · · · · · · · · · · · · · · · ·	IATE BOX. II NO	AI I NOI NIATE	caredoni, do re	J 1112 142/11 1	702.
	Metal finishin Chromate wa: Air pollution o Spent anodizii Incineration w Waste liquid r Cyanide-conta Waste acids a Cleaning, rinsi	plating baths an g rinse water ar stes ontrol blow doing solutions rastewaters nercury tining wastes gr nd bases with o ng, and surface urring wastewa	nd sludges wn water and slud eater than 136 m r without metals preparation solu	g/I tions from elec	troplating or phos ment	sphating ope	rations
Oils Subcate	gory: Subpart	В					
	Used oils						
	=	ılsions or mixtu	res				
Ļ	Lubricants		•				
Ļ	」Coolants ☐ Contaminated	aroundusta	loan un fram rat	roloum cource			
F	∪ Contaminated ∪ Sed petroleu		lean-up from pet	roieum sources	•		
] Osed pedioled] Oil spill clean-	•					
F	Bilge water						
	= -	aters from netr	oleum sources				

	Interceptor wastes
	Off-specification fuels
	Underground storage remediation waste
Π	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
\Box	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organics Sub	<u>category</u> : Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bearing wastes
	Off-specification organic product
	Still bottoms
=	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation
<u> </u>	Wastewater from organic chemical product operations
LJ	Tank clean-out from organic, non-petroleum sources
(1)	If the waste sentains all and grosse at as in exacts of 100 mg/l, the waste should be electified in the all subsectoring
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	.,
	Nickel: 37.5 mg/L
	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Organics Subcategory Organics Subcategory
SECTION 10 A	Additional Instructions
If you connot	determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, Nicke	el, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This o acceptance. The generator will be responsible for the cost of the analysis.
CECTION 11.	Consustante Contification
	Generator's Certification
	tion contained herein is based on 💢 generator knowledge and/or 🗌 analytical data.
	ify that the above and attached description is complete and accurate to the best of
my knowled	ge and ability to determine that no deliberate or willful omissions of compostion
properties ex	xist and that all known or suspected hazards have been disclosed. I certify that the
materials tes	sted are representative of all materials described by this document.
Authorized S	Signature: Date: 08-22-08
Printed Nam	ne/Title: STEVE SAMS / AUTH. BROKER FOR GENERATOR
CES USE ONL	Y (DO NOT WRITE IN THIS SPACE)
	Ω
Compliance	Officer: Y lack and Ellipsi Al
Date: <	Approved Rejected
	- · · · · · · · · · · · · · · · · · · ·
Approval Nu	7044
	l l

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$ 0.10/gal

2. Contamination Limits (maximum limit before surcharges apply):

< 10,000 TOC, 3td

3. Surcharge Pricing:

\$0.05/gal/5000 TOC in excess of 10000 up to \$0.30/gal

4. Special Testing Requirements:

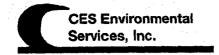
flosh, TDL, metalo - If TOC charges exceed the base rate just generate an inbound for 6.30/ gal to go to 545, 1. Operate an inbound also for any other surcharges.

5. Treatment and Handling Protocol:

if flush and TOC can be diluted and treated to economically process at CES, then do so. If not, process to System 1.

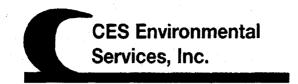
6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☑ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

Managemei	nt for Product Re	covered/Recycled (if appl	licable);	· · · · · · · · · · · · · · · · · · ·	
Managemen	nt for Product Re	covered/Recycled (if app	licable);		



Waste Pre-Acceptance/Approval Letter

Date 8/25/2008

Dear Frank Baker

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2953

Expiration Date 8/25/2010

Generator: Telsa Power & Automation

Address: 6510 Bourgeois Road

Houston, TX 77066

Waste Information

Name of Waste: empty drums TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

RCRA empty unused drums

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

	Generator I										
Company:	Tesla Power					 					
Address:	6510 Bourg	eois									_
City:	Houston			_State:	Tx	Zip:				7706	6
Contact:	Frank Baker				_Title:						_
Phone Num		(281) 444-12			_ Fax Number	: <u>(281) 44</u>	4-1290				_
24/hr Phon		(281) 444-12	00		_						
US EPA ID N			_								_
State ID No	:			8522	7_SIC Code:	<u>na</u>					_
			_								
	Billing Infor	mation -	Same as	<u>Above</u>							
Company:		<u> </u>					_				_
Address:											
City:				_State:		Zip:					
Contact:					_Title:						_
Phone Num	ber:				_ Fax Number	:					_
SECTION 3:	General Des	cription of the	: Waste								
Name of W		Empty drums									
Detailed De	scription of	Process Genera	ating Waste:								
RCRA empty	y unused dru	ms			_						
ni 1 1 n.	. —										
Physical Sta		Liquid	닏	Sludge	<u> </u>	Powder					
	V	Solid		Filter Cak	e [Combina	ation				
					- 1						
Color:	varies			_	Odor:	none					
Specific Gra	with functor-	11.	na			Doncitus	na	lbs/g	ral		
specific dia	vity (water=	1).	na		_	Density:	na	ıns/g	aı		
Does this m	aterial conta	in any total pl	anolic comi	nounds?	□ Ye	,	√ No				
DOCS LINS II	iateriai conte	iiii airy totai pi	ichone com	Journas.		.s _					
Does this m	aterial conta	in any para su	hstituted nk	enolic com	nounds?		Yes	√ No			
DOCS (IIIS II	idiciiai conte	iii aiiy para sa	botitutea pi	ichone com	poullus.		103	<u>. 110</u>			
Is the Wast	e subject to t	he benzene w	aste onerati	on NESHAP	? (40 CFR Part	61. Subna	rt FF)		Yes	√ No	
		ste contains be						following	103	<u>.</u>	
2812	•				•	•		2824	2833	283	4
2835								2861	2865	286	
2873		_						2896	2899	291	
3312					203	20.	33	2030	2033	231	7
3312	. 4953	4905	931.	L							
Layers:	✓ Sing	gle-phase	☐ Mult	i-phase							
rayers.		Pic-hiiase	ividii	n-hiiase							
Container T	vne: 🔽	Drum _	Tote	Truck [Other (expla	in\					
Container I	ype.	Jiuiii _	TOLE _	, IIUCK _	□ Orner (exhia	,					
Frequency	☐ Waaklu	☐ Monthly	√ Vaarlu	One-1	ime						
Quantity:	- weekiy	intolling	20		mic						
Qualitity.			20	,							

If "Yes", the	EPA "Hazardou len please comp s it:	plete, sign and c D001 (Ignitable) letals:	e)	erlying Hazar D002 (Corr D005 D011	osive) D006	nts Form atta	ctive)	□ 0009	
	" or "K" Listed hen please list		_	?	☐ Yes	√	No		
40 CFR 261.	nmercial produ 33(e) or (f)? hen please list	·	Y		" U" or "P" w a No	aste code ur	nder		
Texas State	Waste Code N	lumber:		Recycle			-		-
Proper US D	OT Shipping N	lame:	Non RCRA/N	Non DOT reg	gulated materi	al (Empty co	ntainers)		
Class:		UN/NA:		PG:		_RQ:			
Flash	Point	Hq		Reacti	ve Sulfides	Reactive	Cyanides	Soli	ids
	na	na		0	mg/l	0	mg/l	100	%
Oil &	Grease	TO	c		Zinc	Co	pper	Nic	kel
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l
SECTION 4:	Physical and C	Chemical Data							
		PONENTS TAB				CONCENT			UNITS
Th	e waste consis			als		Ranges are			or %
	Em	npty container				10	10		%
						- 11			
			_						

If the handling Standard		ste requires the u	se of special prot	ective equipm	ent, please e	xplain.	
	nents, notes	pporting Docume , data and/or anal none		this form as pa	rt of the was	te	
SECTION 7: Please list Al none known	.L incompati	llities bilities (if any):			-		
Laboratory a	nalysis of th	Knowledge Docui e hazardous waste g generator knowl	characteristics,	listed below, V	VAS NOT PER	RFORMED	
TCLP Metals:	<u>.</u>	x					
TCLP Volatile		X					
TCLP Semi-V	olatiles:	X					
Reactivity:		x					
Corrosivity:		x					
Ignitability:		х					
SECTION 9: V Facilities)	Is this materi	Classification Under all a wastewater or complete this section	wastewater sludge		eatment Requi	irements fo	r Centralized Waste Treatment NO
	PLEASE CHEC	K THE APPROPRIAT	E BOX. IF NO APP	ROPRIATE CATE	GORY, GO TO	THE NEXT	PAGE.
	Spent electro Metal finishin Chromate wa Air pollution Spent anodiz Incineration Waste liquid Cyanide-cont Waste acids Cleaning, rins Vibratory del	oplating baths and/ong rinse water and sates control blow down ing solutions wastewaters	sludges water and sludges eer than 136 mg/l ithout metals eparation solution	s from electropl		ohating ope	erations
	Used oils Oil-water em Lubricants Coolants	t B ulsions or mixtures d groundwater clea	n-up from petrole	um sources			
	Used petrole Oil spill clean Bilge water	um products					

☐ Interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or oily sources
☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
☐ Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
☐ Solvent-bearing wastes
☐ Off-specification organic product
☐ Still bottoms
☐ Byproduct waste glycol ☐ Wastewater from paint washes
Wastewater from paint wasnes Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
Wickel. 37.3 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date:
Printed Name/Title:
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Colling Tourist Compliance Officer: Colling Tourist Compliance Officer: Rejected Approval Number: 7453



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$15/drup Trans \$70 FFSC
Trans \$70 +FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
Recycle
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests	for Product Recovered/I	tecycled (if applicab	ole):	
			· · · · · · · · · · · · · · · · · · ·	
8. Mana	agement for Product Rec	overed/Recycled (if	applicable)	
		 		

2954 Kopper, Inc 7 2 8-4-09 7,35 LAO

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/25/2008

Dear David Shaw

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2954

Expiration Date 8/25/2010

Generator: Koppers, Inc. Address: PO Box 189

Somerville, TX 77879

Waste Information

Name of Waste: Fluorescent and metal halide bulbs and lambs (univ. waste)

TCEQ Waste Code #: UNIV309H

Container Type:

box

Detailed Description of Process Generating Waste: Spent fluorescent and metal halide bulbs and lamps

Color: white to clear

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

12

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

		U.S. EPA ID Nut	nber: TXD00895046	L ISWR Numbe	r: 30900			
ECTION 1:	Generator II	nformation			•			
	Koppers, Inc							
ddress:	PO Box 189				··. · · · · · · · · · · · · · · · · · ·			
ity:	Somerville		State:	Texas	Zip:			77879
ontact:	David R. Lau	iter Jr.	-	Title:	Safety Health	& Envirome	ntal Coordin	ator
hone Num	ber:	(979) 596-1321		Fax Number:	979-596-2719			<u> </u>
l/hr Phon	e Number:	936-520-9597					-	
EPA ID N	lo:	TXR000003780						
te ID No			838	99 SIC Code:	N/A	· · · ·		
					<u> </u>	-		
CTION 2:	Billing Inform	mation -	Same as Above					
	Koppers, Inc					• .		٠.
dress:	PO Box 189	<u> </u>		· · · · · · · · · · · · · · · · · · ·				-
y:	Sommerville		State:	Texas	Zip:			77879
rtact:	David Shaw	· · · · · · · · · · · · · · · · · · ·	State.	Title:		-	\ -	77075
one Num		(979) 596-1321		Fax Number:		•		
Sine Main	DEI.	(373) 330-1321		rax mumber:				
TION 2.	Conomi Doc	cription of the Wa						
HON 3:	General Des	cription of the wa	iste					
ma ce se	acto.	Fluorese 4 11	Makal Slattele feet	and tamba #11		•		
ne of W			Metal Halide bulbs	and lamps (Uni	versai waste)		·	
alleg De	scription of F	Process Generation	g Waste:	makes to be a second	ggs signal in my .	1 Comment		
								•
nt Huor	escent and M	etal Halide bulbs a	ind lamps			·		
					_	,		
sical Sta	=	Liquid	Sludge		Powder			
	V	Solid	Filter Ca	ke ☐.	Combination			
Pr:	White to Cle	ar		Odor:	None			
	•	•						
cific Gra	vity (water=1	L): <u>N/</u>	A	<u> </u>	Density: N/	A lbs	/gal	
es this m	atérial conta	in any total pheno	olic compounds?	☐ Yes	☑ No	,		
	÷							
es this m	aterial conta	in any para substi	tuted phenolic cor	npounds?	☐ Yes	. ☑ No		
٠			•					
he Wast	subject to t	he benzene waste	operation NESHA	P? (40 CFR Part 6	1, Subpart FF)] Yes [✓ No
			ne AND if the SIC o			he following	:	_
2812			2819 287			2824	2833	2834
2835			2842 284			2861	2865	2869
2873			2879 289		•	2896	2899	2911
				2092	4033	2030	2023	2311
3312	4953	4959	9511			_		
			7			Prici	ns	
ers:	✓ Sing	gle-phase	Multi-phase			,		
				_			VI	/
tainer T	уре: 🗌	Drum 🔲 To	te 🗌 Truck	🛂 Other (explai	ո)	500	b / c/	13
					`	J J 7	/ 7	
quency:	☐ Weekly	☐ Monthly ☑	Yearly 🗌 One	Time	•	クィーオ	1:~	21
antity:					- ,	$/$ U ψ	15	8 1
					•	` <u>'</u>	1 -	•
	•				フ	ran	7 ~ ~	och
						1 -1 1	アンノ	0 1
								7

	a series	-				. 4	A		
ls this a USI	PA "Hazardo	us Waste" per	40CFR 261.	3?		es d	No		
If "Yes", th	en please com	ipiète, sign and c	late the Und	erlying Haza	ırdous Constitu	ents Ferm att	 tached hereto		
if "Yes", I	sit: □	D001 (lgnitabl	e)	D002 (Cor	rosival		artival		
	tic for Toxic N						<u></u>	✓ D0009	•
			□ D016	=			, ,,,	<u> </u>	
.haracteris	tic for Toxic C	Organics: D012	thru D043 (ilease list a	ill that apply)		,		
- W									
		d waste or mix		:?	☐ Ye	es 🖸	☑ No		
If "Yes", t	hen please lis	st ALL applicabl	e codes:						
this a con	nmercial proc	luct or spill clea	nup that w	ould carry	a "U" or "P" v	vaste code u	ınder		
0 CFR 261.	33(e) or (f)?		. 🗆 Y	'es 🖫] No			•	
If "Yes", t	hen please lis	st ALL applicabl	e codes:		·				
exas State	Waste Code	Number:		UNIV309F	1		 .		
							•	•	
	OT Shipping		Environmer	tally Hazar	dous Substan	ce, Solid, N.C).S.	<u></u>	
lass:	9	UN/NA:	UN3077	PG:	811	RQ:	N/A		
							<u> </u>		
Flash	Point	Нg		React	ive Sulfides	Reactiv	e Cyanides	So	lids
N	/A	N//	١	0	mg/l	0	mg/l	100	%
Oil &	Grease	TO		1	Zinc	Co	ррег	Nic	kel .
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l

SECTION 4: Physical and Chemical Data

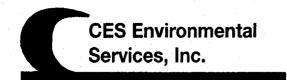
COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or%
Fluorescent Light Bulbs	0-100	%
Metal Halide Bulbs	0-100	%
		- `
		<u> </u>
		
	· · · · · · · · · · · · · · · · · · ·	
	 	+

From: 979 596 2719

SECTION 5: Safety R	· · · · · · · · · · · · · · · · · · ·	
	s waste requires the use of special protective equipments	pment, please explain.
Level D		
	•	
SECTION 6: Attached	d Supporting Documents	
ist all documents, no	otes, data and/or analysis attached to this form as	part of the waste
approval package.	None	
SECTION 7: Incompa	<u>itibilities</u>	
Please list ALL incomp	patibilities (if any):	·
lone		
·		
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ECTION 8: Generate	or's Knowledge Documentation	
	f the hazardous waste characteristics, listed below	WAS NOT PERFORMED
		, WAS NOT I CAN OMMED
ased upon the tollow	wing generator knowledge:	
on mineral		
CLP Metals:	X	
CLP Volatiles:	X	
CLP Semi-Volatiles:	X	<u> </u>
eactivity:	Χ .	
corrosivity:	X	
gnitability:	x	·
er all the second	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
SECTION 9: Waste Rec		Treatment Requirements for Centralized Waste Treatmen
acilities)		
	iterial a wastewater or wastewater sludge?	☐ YES ✓ NO
	s', complete this section.	
• •		
PLEASE C	HECK THE APPROPRIATE BOX. IF NO APPROPRIATE CA	ATEGORY, GO TO THE NEXT PAGE.
<u> letals Subcategory : S</u>	Subpact A	
	ectroplating baths and/or sludges	•
	ishing rinse water and sludges	
Chromate		
	ion control blow down water and sludges	
	odizing solutions	
	ion wastewaters	
	uid mercury	
Cyanide-c	containing wastes greater than 136 mg/l	
■ Waste ac	ids and bases with or without metals	
	rinsing, and surface preparation solutions from electronic	oplating or phosphating operations
	deburring wastewater	
Alkaline a	and acid solutions used to clean metal parts or equipm	ent
<u>ils Subcategory</u> : Sub _l		
Used oils		
. —	emulsions or mixtures	
Lubricant	S	
Coolants		
_	nated groundwater clean-up from petroleum sources	
	roleum products	
Oil spill of		·
Bilge water		
☐ Kinse/wa	sh waters from petroleum sources	

From: 979 596 2719

randra de la <u>mar</u> atrica de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de la compansió	and the second second	
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Mastewater from oil bearing paint wasnes		
Organics Subcategory: Subpart C	•	
Off-specification organic product		
☐ Still bottoms		
■ Byproduct waste glycol		
Wastewater from paint washes		
☐ Wastewater from adhesives and/or epoxies formulation		
☐ Tank clean-out from organic, non-petroleum sources		
(1)		
(2)		-
		entrations in
	ubcategory.	
Cadmium: 0.2 mg/L		
Chromium: 8.9 mg/L		
Copper: 4.9 mg/L		
Nickel: 37.5 mg/L		
2000 (Aug. 1987)	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o	er at the east of the first of the east of
CECTION OF Additional Instrumentary		
SECTION 10 Additional Instructions		
· · · · · · · · · · · · · · · · · · ·		
SECTION 11: Generator's Certification		
The information contained herein is based on generator knowledge and/or	analytical data.	
I hereby certify that the above and attached description is complete and accurate to the	ne best of	
	that the	
materials tested are representative of all materials described by this document.		ſ
Authorized Signature: Authorized Signature:	Date: <u>8/2</u>	5/08
Printed Name/Title: David R. Cauter Jr.		·
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	•	
0.0	Off-greeification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from patrs cleaning operations Wastewater from oil bearing paint washes Wastewater from oil bearing paint washes Wastewater from organic product Solvent-bearing wastes Solvent-bearing wastes Solvent-bearing wastes Solvent-bearing wastes Solvent-bearing wastes Solvent-bearing wastes Solvent-bearing wastes Wastewater from organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epowies formulation Wastewater from adhesives and/or epowies formulation Wastewater from andersives and/or epowies formulation Wastewater from organic, non-petroleum sources If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chomium: 0.2 mg/L Chomium: 8.3 mg/L Copper: 4.9 mg/L Nicket: 37.5 mg/L If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, opper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory Glis Subcategory Granics Subcategory Gran	
Compliance Officer: Leblant haran		
Date: 8-25-08 Approved J Rejected Approval Number: 2954		
,		



Waste Pre-Acceptance/Approval Letter

Date 8/19/2008

Dear Larry Torres, Eduardo Gracia

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2932

Expiration Date 8/19/2010

Generator: Rolled Alloys

Address: 9818 E. Hardy Rd.

Houston, TX 77093

Waste Information

Name of Waste: Cutting sand and water sludge from water jet blasting booth

TCEQ Waste Code #: CESQ5192

Container Type:

Detailed Description of Process Generating Waste:

sand and garnet are used in hydroblasting with high pressure to cut various froms of steel

Color: brown

Odor: tan

pH: 8.55

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

Quantity: 50 yards

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CES Environmental Service

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CES Environmental Services, Inc.

GB

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvirgnmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 SECTION 1: Generator Information Rolled Alloys Company: 9818 East Hardy Road Address: State: YX Zip: 77093 City: Houston Title: Contact: Eduardo Gracia 832,865.1063 Fax Number: Phone Number: 24/hr Phone Number: 713.676.1460 TXCESQG US EPA ID No: CESQG SIC Code: State ID No: Same as Above SECTION 2: Billing Information -Company: Address: City: State: Zip: Contact: Title: Phone Number: Fax Number: SECTION 3: General Description of the Waste Name of Waste: Cutting sand and water sludge from water jet blasting booth Detailed Description of Process Generating Waste: Sand and Garnet are used in hydrobisating with high pressure to cut various forms of steel. Liquid Physical State: Sludge **Powder** \Box Solid Filter Cake Combination Color: Brown / tan Odor: none Density: пà Specific Gravity (water=1): lbs/gal u9 Does this material contain any total phenolic compounds? Yes ₩ No Does this material contain any para substituted phenolic compounds? Yes ☑ No No is the Waste subject to the benzane waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes Answer "Yes" If your waste contains benzene AND if the SIC code from your facility is one of the following: 2819 2821 2822 2823 2824 2833 2834 2812 2813 2816 2835 2836 2841 2842 2843 **2844** 2851 2861 2865 2869 2874 2876 2879 2891 2892 2893 2896 2899 2911 2873 9511 4953 4959 3312 Single-phase ☐ Multi∗phase Layers: ▼ Truck ☐ Other (explain) Container Type: Drum ☐ Tote Frequency: Weekly Monthly Yearly One-Time

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Is this a USEPA "Hazard If "Yes", then please of				Ye Constitut		No 'ached hereto		
Characteristic for Toxlo		☐ D004	[]D011	□ 000	☐ D003 (Rea 6 ☐ D007	· · · · · ·	☐ D 005	•
Characteristic for Toxic	: Organics: D012	thru D043 (please list all	that apply)				
Is this an "F" or "K" Lis If "Yes", then please			3?	☐ Ye	s [2	No .		
ls this a commercial pr 40 CFR 261.33(e) or (f) If "Yes", then please	?	۱ 🗆	<u> </u>	"U" or "P" w	aste code ui	nder		
Texas State Waste Cod	e Number:		CESQ5192			_		
Proper US DOT Shippir	g Name:	Non RCRA	NOT DOT Reg	ulted materi	al (Cutting Sa	ind)		
Class: na	UN/NA:	па	PG:	ПÒ	RQ;	па		
Flash Point	lq pl		Reacti	e Sulfides	Reactive	Cyanides	So	llds
>140	8.5	5	0	<u>mg/l</u>	0	mg/l	100	%
Oll & Grease	TO			lnc	Co	pper	Nie	ckel
<1500 <u>mg/l</u>	<1500	<u>me/l</u>	0	<u>mg/[</u>		mg/l	.032	mg/l
SECTION 4: Physical an	d Chemical Data							

COMPONENTS TABLE		_ ÇÓ	NCENTRATOIN	UNIT
The waste consists of the following m	aterials	Rang	or %	
Sand/Garnet			30-50	%
Water			A 0-50	95
Steel Fragments			100,20	%
				
				-
				
				·

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CES Environmental Service

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SECTION 5: Safety Rela				
If the handling of this w	vaste requires the use of special protect	ive equipment, please expi	ain.	
Standard				
	· · · · · · · · · · · · · · · · · · ·		_	
	_			
	supporting Documents			
	es, data and/or analysis attached to this	form as part of the waste		
approval package.	analysis			
				·
SECTION 7: Incompati	bilities			
Please list ALL Incompa	•			
None Known		•		
				
ECTION 8: Generator	's Knowledge Documentation			
aboratory analysis of t	the hazardous waste characteristics, list	ed below, WAS NOT PERFO	RMED	
pased upon the following	ng generator knowledge:			
	\$ 2 ¹			
TCLP Metals:				
TCLP Volatiles:	<u> </u>			
CLP Semi-Volatiles:	×			
Reactivity:	х			
Corrosivity:		·	· · · · · · · · · · · · · · · · · · ·	
gnitability:	x	and the second of the second		
· ·	rial a wastewater or wastewater sludge? , complete this section.		VES 🛛 NO	
PLEASE CHE	ECK THE APPROPRIATE BOX. IF NO APPROP	PRIATE CATEGORY, GO TO TH	E NEXT PAGE.	
Metols Subcategory: Su				
	roplating baths and/or sludges ting rinse water and sludges			
Chromate v				
	n control blow down water and studges			
	izing solutions			
	1 wastewaters			
Waste liqui	d mercury			
	ntaining wastes greater than 136 mg/l			
Cleaning ti	osing, and surface preparation solutions fro	om electroplating or phospha	ting operations	
	courring wastewater	No and the processing or the contract		
	d acid solutions used to clean metal parts o	r equipment		
				
I <u>lls Subcotegory</u> : Subpo	nt B	•		
Used oils	2.0			
=	mulsigns or mixtures			
L Lubricants Coolants				
	ted groundwater clean-up from petroleum	sources		
	leum products			
Oll spill clea	· · · · · · · · · · · · · · · · · · ·			
Bilge water				
_ Rinse/wash	waters from petroleum sources			

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P.04

Interceptor wastes Off-specification fuels	
Off-specification fuels	
Underground storage remediation waste	
Tank clean-out from petroleum or oily sources	
Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations	
Wastewater from oil bearing paint washes	
<u>Organics Subcategory</u> : Subpart C	
tandfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bearing wastes	
Off-specification organic product	
Still bottoms	
Byproduct waste glycol	
Wastewater from paint wasnes	
Wastewater from adhesives and/or epoxies formulation	
Wastewater from organic chemical product operations	
Tank clean-out from organic, non-petroleum sources	
(1)	
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should he	classified in the oils subcateron.
	till still the one subjectly,
(2)	
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutan	ts listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subca	
Cadmium: 0.2 mg/L	
Chromlum: 8.9 mg/L	•
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
(3)	
If the waste contains oil and grease less than 100 mg/L, and does not have concentr	ations of radmilion etranilim nonner
or nickel above any of the values listed above, the waste should be classified in the	
Metals Subcategory	orkanics suddatekory.
Oils Subcategory	
✓ Organics Subcategory	
SECTION 10 Additional Instructions	
	*
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to d	
will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
SECTION 11: Generator's Certification	7 analytical data
SECTION 11: Generator's Certification The information contained herein is based on Generator knowledge and/or a	
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or is hereby certify that the above and attached description is complete and accurate to the b	est of
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or thereby certify that the above and attached description is complete and accurate to the brown knowledge and ability to determine that no deliberate or willful omissions of compost	est of ion
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SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or thereby certify that the above and attached description is complete and accurate to the brown knowledge and ability to determine that no deliberate or willful omissions of compost	est of ion t the
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SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or hereby certify that the above and attached description is complete and accurate to the biny knowledge and ability to determine that no deliberate or willful omissions of compost properties exist and that all known or suspected hazards have been disclosed. I certify that materials tested are representative of all materials described by this document. Authorized Signature: Printed Name/Title: CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Rejected Rejected	est of ion the
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CES Environmental Service

04/12/2005 15:23 -281476406

Hor 13 05 08:14a SouthestTransfer Station 713-923-2109 MES

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78 Alta: 15.

Mercury Environmental Services, Inc.

69/3 HWY 725, Deep Park, TX 17030 Phone: (281)-474-4534 Page (281)-474-

Republic Services Inc. PO Box 567 10310 FM \$23

Phone 7135391405 Fac: 7139232109

Anceiton, TX 77516 Altr: Stu Leosihart

- CERTIFICATE OF RESULTS -

5020173

Cilent Sample 10: Extended ID:

Water Table Jet Studgo Rolled Alloys @ 9818 E. Hardy Road, Houston, TX 77093

Sample Collect Date: 2/8/2005 @ 1 50:00 PM Sumple Receipt Date: 2/9/2005 @ 2/25:00 PM Sample Type:

Comp

Test Group / Method			• • •	
Total Pottoleum Hydroceroone Solid Method: TNRCC 1005	MOL	Result	Units	Analyst TFR Dale / Time
C6 - C12 Hydrocarbons	A.	44	ING/Rg.	2/10/2005 / 6:03 AM
>C12 - C28 Hydrocarbons	8	48	ing/leg	2/10/2005 / 6:09 AM
>C28 - C38 Hydrocustoms	a	4 ₿	THE CO	2/10/2005 / 6:09 AM
Total TPH	20	< 20	mg/kgs	2/10/2005 / 6 09 AM

TCLP Mobils (8)	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	CONTINUE	1.11 9,010,980		Analyst AM
Method SNY-848 00108	MIDIL	· RL	Result	Units	Qaro / Time
Antimony	0.032	,	(< 0.032)	MINERAL.	2/11/2005 / 3:47 PM
Areento	0.050	5	< 0 050	mg/L	2/11/2005 / 3;47 PM
Bariani	0,002	100	1,60	7-01 -	2/11/2005/ 3:47 PM
A Baryllum.	9,005		0.00	mgt.	2/11/2005 / 3:47 PM
Capmium	0.004	1	<0.004	mp/L	2/11/2005 / 3:47 PM
Chromium	0,007	5	0.006	org/L	2/11/2005 / 3:47 PM
Lead	0.079	5	< 0.010	/mg/L	2/11/2005 / 3:47 PM
Nickel	0.006		(BASE)	mg/L	2/11/2005 / 3:47 PM
SECTION	0,050	1	< 0.050	mg/L	2/11/2005 / 3:47 PM
Sinler	0.006	£	< 0.006	mg/L	2/11/2005 / 3:47 PM
TCLP Mercury Majnan SW-846 7478A	MDL	RI	Report	: Units	Analyse AM Date / Time
Mercury	0.006	0.2	< 0.003	mg/L ,	2/11/2005/ 4:17 PM
Corrostvity: pH Method: SVV-846 8046	MDL_	•	Rosult	Unite	Anelyst: Rt. Date / Time
pH			2.65		2/9/2005 / 4:30 PM

Report Date: 12-Apr-05

Page 1 of 2

713 676 1676 P.06

AUG-15-2008 14:27

CES Environmental Service

84/17/2005 15:23 -2014764406

cournestiransfer Station 719-923-2109

PINCE AT

5020173

DAMOC REPORT

ANALYTES	METHOD TEN1206	was	ALEC ALECA	es med Krec kr		
CS-C12 C12-C28		< <u>4</u>	99.8 110.8	63.1 64.9 100.7 105.		
ANALYTE	GUFFER 7.0	ORIG DUP	RPO			
рН	7.0	6.95 7.02	1,0			•
ANALYTE	MBI mg/l.	LCB LCBD %REC %REC		RPD	ang/L	CCY %REC
Antimony Arsenic Bartura Barythum Cadmitum Chromaum	< 0,002 < 0,005 < 0,005 < 0,005 < 0,007	99 0 96.0 98 0 100,5 199.8 104.5 96.6 98.0 101.5 98.6 103.0 110.0		3.08 10.37 4.67 2.58 B.21 6.57	< 0.092 < 0.005 = 0.002 < 0.005 < 0.004 = 0.007	100,0 102,0 98,9 102,0 86.7 98.7
Lead Mercury	< 0.0002	97.5 107,3 107,6 89. 5		3.77 1.99	< 0.010 < 0.0002	97. I 102,0

92.8

103.0 106.5

100,0 88.0

110.8

Key to QA Abbreviations

Nickel

Solonium

SWE

MS=Marix Splea MSDesternix Space Duplicate
RPD=Receive Percent Deviation MD*Method Binnk

< 0,015

< 9.005

< 0.006

LCS=Laboratory Control Standard CCV=Constituting Calebration Verification CB=Constituting Calebration Stants RecarPercent Recovery

3.34 . :

17,68

12,77

Signature: Holland D. Gilmore I Caboratory Director

Ap:11-12, 2005

106.0

97.5

97.5

< 0.015

< 0.005

< 0.008

Mercury Environmental Services, Inc.:

AUG-15-2009 14:27

CES Environmental Service

713 676 1676

P.07

Mpr 13 05 08:14a 04/12/2005 15:23

SouthestTransfer Station 713-923-2109

PAGE DO

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- CERTIFICATE OF RESULTS -

5020173

-2814764486

Client Sample ID: Water Table Jet Studge
Researched ID: Rolled Alleys @ 9818 E. Hardy Road, Houston, TX 77093

Sample Collect Date: 2/8/2005 @ 1:30:00 PM

Comp'

Sample Receipt Date: 2/8/2005 @ 2:25:00 PM

Exceeds "High Lines" L. Selow Low Lines"

Holland D. Gilmore, Laboratory Director

ROLLED ALLOYS

08/15/08 15:41 FAX 713 691 5140

9 •	COMPANY NAME: (BILL TO:) REL COMPANY ADDRESS: 10310	PUBLIC WAST FM 523	E SERVIC	CES, INC		AES			- CUSTOUY ervices	(281) 476-4 Fax (281)-476-
Ì	CITY ANGLETON	\$T	ATE TX	ZIP \$7.576	- 69		TERS FOR	nenial Se Rrk, TX 7753 AHALYBIS	6	
	CONTACT PERSONS NAME: S CONTACT PERSON'S PHONE: Z	TU LEDNIHA 3.539:1465	CT - FAX 8: 713	7.923.2109	3	N. N. N. N. N. N. N. N. N. N. N. N. N. N		///		5 REMARKS
E	2	NA P.O. O.	YOUR PROJECT	10X5		TO TO			PASSERVINDOR	OFFECTION LIN OPECIAL LINITS RE
. •	PROJECT ADDRESS: 9818 E. HIGHL VOUR BARPLE GESCRIPTION	YROAD HO	4STON,	/X 77083	AM	10	1		A SECOND	Yes Ho Phase click one please describe
:	1 OUMIT FORDIS	reiet Comp	2/8/15 1-		11			1-1-		or include sepa shed datallin daspenbulyen
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اسهموه حالاتا والد	HETHOO OF PAYMENT	(Bibreflue) SHADED BA:		CONFINER (Signature)				wan	Dans	OB THE
and a shall such	Sample Remainder Olsposel G Robino Sample Remainder to Glieni	VIa			(Mahure)	h Ya Nienaus	Of All Sample	Remainders		
Aller a commenter	G Return Sample Remainder to Gliant form & MES - CCRI	e & CANARY - Shin	ned with Same						(Date)	

PINK - Relained by Customer

WHITE - Returned with Report



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

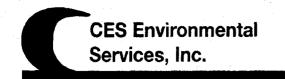
1. Base Pricing (including freight):
65/5A1 70/hn Tran + FSC
70/hr Traw + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
PH + Plash point it there are free liquids.
5. Treatment and Handling Protocol:
Redirect to Republic As Class 2 Solid
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	

2.933 Mage 1 km



Waste Pre-Acceptance/Approval Letter

Date 8/19/2008

Dear Mike Savoy

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2933

Expiration Date 8/19/2010

Generator: Magellan

Address: 7901 Wallisville Rd.

Houston, TX 77029

Waste Information

Name of Waste: Hydrocarbon and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Jet A and water from cleaning an underground storage tank

Color: clear to black

Odor: hydrocarbon

pH: 5-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level C ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

Company:	Magallan Midatras	m Dartnara					
Address:	Magellen Midstream Partners 7901 Wallisville Rd.						
City, State, Zip:	Houston, TX 77029						
Contact:	Mike Savoy	X ITO		Title:	A gent for	Ganarator	
Contact: Phone No:	713-264-2629			Fax No:	Agent for Generator		
				_ rax No:	115"	33-0608	
24/hr Phone:	281-838-5093			_			
U.S. EPA I.D. No:	NA			CIC C			
State I.D.	NA			SIC Code:			
SECTION 2: Billin	g Information – 🗌 S	Same as Abo	<u>ve</u>				
Company:	One Source Industria						
Address:	200 South 16th Stree	t					
City, State, Zip:	Laporte, TX 77571						
Contact:	Mike Savoy		Title:	Agent for ger	nerator		
Phone No:	281-838-5093		Fax No:	281-867-903			
	Product: <u>Hydrocarbo</u> n of Process Generat			rial / Product:	Jet A and w	ater from cleaning an undergroun	
Physical State:	Liquid Solid	_	Cake [Powder Combination) n		
Color: Clear to Blac	<u>k</u> (Odor: <u>Hydro</u>	<u>carbon</u>				
		Donaitra					
Specific Gravity (w	ater=1): <u>.79</u>	Density:	<u>7-8</u> lbs/gal				
	ater=1): <u>.79</u> contain any total phe	•		⊠ No			
Does this material o	·	nolic compoi	unds? Yes		⊠ No		
Does this material o	contain any total phe	nolic compou	unds? Yes		⊠ No		
Does this material of Does this material of Layers:	contain any total phe contain any para subs	nolic compou	unds?	ds? □ Yes [⊠ No □	Other (explain)	
Does this material of Does this material of Layers: Container Type:	contain any total phe contain any para subs Single-phase	nolic compou stituted phen	unds? Yes nolic compound Multi-phase	ds? □ Yes [⊠ N o □	Other (explain)	
	contain any total phe contain any para subs Single-phase	nolic compou stituted phen	unds?	ds?	⊠ n ₀	Other (explain) Yearly	
Does this material of Does this material of Layers: Container Type: Container Size: Frequency:	contain any total pher contain any para subs Single-phase Drum Weekly	nolic compon stituted phen Tote	unds?	ds?	⊠ No □	~	
Does this material of Does this material of Layers: Container Type: Container Size:	contain any total pher contain any para subs Single-phase Drum Weekly ontainers): 1	nolic compon stituted phen Tote Mon Othe	unds? Yes nolic compound Multi-phase athly or:	ds?		~	

Flash Point	pH 5-9	N/A	N/A	Solids 0-10%
Oil&Grease	TOC /mg/l	Zinc	Copper	Nickel
>1500mg/l		Namg/I	Namg/I	Namg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Jet A (Fuel)	5-38 50	%
Water	50-95	%
Debris (Dirt and Rock)	0-10	%
,		

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. <u>Level C PPE</u>

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. None-Generator Knowledge-Internal Lab Testing

SECTION 7: Incompatibilities

Authorized Signature

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.

Date: 08/19/08

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Lake-Offy A.	
Date: 8-19-08 Approved Rejected	
Approval Number: 2933	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

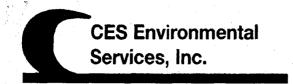
1.	Base Pricing (including freight):
	35/gal
2.	Contamination Limits (maximum limit before surcharges apply):
	only surcharge if TOC > 70,000
3.	Surcharge Pricing:
	CALL DAN
4.	Special Testing Requirements:
	Flash, phenoti, wills % Solids, % Water, %Hydrocarbon TOC on water phase, physics, pil, wills
5.	Treatment and Handling Protocol:
	Recycle as light end for the Hydrocarbon portion
	Dispose Solids-Class 1 Dispose Water through waste water treatment facility
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	<u>Tests for Product Recovered/Recycled (if applicable):</u>
	Light End Compatibility
	
8.	Management for Product Recovered/Recycled (if applicable);
8.	
8.	Management for Product Recovered/Recycled (if applicable): Light Ends
8.	
8.	
8.	

2934 Weingartm at citade



Waste Pre-Acceptance/Approval Letter

Date 8/19/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2934

Expiration Date 8/19/2010

Generator: Weingarten at Citadel **Address:** 2600 Citadel Plaza Drive

Houston, TX 77008

Waste Information

Name of Waste: Water

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

Sampling wells - for any kind of contamination in water, mainly dry cleaners

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. We do not recycle water.

CES Environmental Services, Inc.

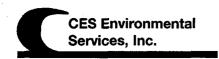
4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

		0,01 = 1112 114110		101111111111111111111111111111111111111			
SECTION 1	: Generator	r Information				•	
		TEN REALTY INVES	STORS			,	
Address:		DEL PLAZA DRIVE		·			
City:	HOUSTON		State:	TX	Zip:	77008	
Contact:	CHUCK GU			Title:			
Phone Nun		713-866-6855		_	713-866-6066		
24/hr Phon	e Number:	281-541-4829		_			
US EPA ID	No:	TXCESQG		- :			
State ID No):	CESQG		SIC Code:			
				_			
			me as Above				
Company:	CKG SERV	'ICES					
Address:	10707 HON	IEA EGYPT RIAD					
City:	MONTGON	IERY	State:	TX	Zip:	77316	
Contact:	JAMIE BAD	ER		Title:	AP		
Phone Nun	nber:	936-483-3662		Fax Number:	936-756-1226		
		,	•	_			
SECTION 3	: Gener <u>al D</u>	escription of the W	<u>aste</u>	•			
				7			
Name of W		WATER		· · · · · · · · · · · · · · · · · · ·			
	•	Process Generating	•		VELLS - for	any kind of	
contho	rination	n in water,	maisly dr	y cleaners	<u> </u>	<u> </u>	
		<u></u>		<u>t</u>			
D) 1 .1 0			·	_			
Physical S		Liquid	☐ Sludge		Powder		
		Solid	☐ Filter Cal	ke 📋	Combination		
Color:	NA			Odor:	NONE	•	
Culor.	INA		-	Odoi.	NONE	0/216	
Specific G	avity (water	=1): NA	/ \		Density: NA	S By Ibs/gal	
opcomo di	avity (water	-1). <u>24/1</u>		_	Donaity. Zin		
Does this o	natorial com	tain any total pheno	die compounds?	' ☐ Yes	☑ No		
2003 0110 1		will billy total piletic	one compounds:				
Does this n	naterial con	tain any para subst	ituted abanalic c	omnounds?	☐ Yes	☑ No	
	,	rem only have subje	· · ·	ompounded		<u>.</u>	
is the Wast	e subject to	the benzene waste	operation NESI	IAP? (40 CFR F	Part 61. Subpart	FF) Yes	☑ No
		ste contains benzene					
2812	-		2819 282			2824 2833	283
2835			2842 284			2861 2865	28
2873			2879 289			2896 2899	29
3312			9511	2002	. 2000	2000	L
0012	- 700	7 7000	0011	•	•		
Layers:	🖸 Sing	gle-phase 🗌	Multi-phase				
Container	Type: 🗹	Drum 🗀 Tota	Truck] Other (e×plai	n)		
Frequency Quantity:	: Weekly	Monthly 🗹	Yearly ☑ One-	Гime			
		rdous Waste" per 4		☐ Yes	⊡ No		

aracterisuc for Toxic	Organics: D012 thr	D010	st all that appl	y) 		· ·	-
this an "F" or "K" List f "Yes", then please li			☐ Yes	· •	No		-
this a commercial pro CFR 261.33(e) or (f)? f "Yes", then please li	·] Yes 🖸	ry a "U" or "I No	P" waste co	de under		_
exas State Waste Code			502191	Λ	_		
roper US DOT Shippin lass:	g Name: RECY UN/NA:	CLABLE MATER	NI NI	<u>N-JUN</u> _RQ:	A Non	- DOT	lleg "
Flash Point	pH	Reactiv	e Sulfides	Reactive	Cyanides	Sol	ids
NA	NA	NA _	mg/l	NA	mg/l	NA	%
Oil & Grease	TOC		Zinc		ррег	Nic	
NA <u>mg/l</u>	NA <u>m</u>	g/l NA	<u>mg/l</u>	NA_	mg/	NA NA	mg/i
	PONENTS TABLE sts of the following n WATER	naterials		CONCEN Ranges are 10			or %
				-			
	,		<u> </u>				<u> </u>
•							

SECTION 6: Attached S		A.1
	data and/or analysis attached to this form as part o	Tine waste
approval package.	Aux	
(N	Malina -	
SECTION 7: Incompatil Please list ALL incompati None Known		
	s Knowledge Documentation hazardous waste characteristics, listed below, WA	S NOT DEDECORMEN
based upon the following		O HOTTEN GIMED
TCLP Metals: TCLP Volatiles; TCLP Semi-Volatiles;		0 0 0
Reactivity: Corrosivity: Ignitability:		0 0 0
my knowledge and ability properties exist and that		rate to the best of of compostion d. I certify that the
Authorized Signature:		Date: <u>8/12/</u> 8
Printed Name/Title:	13AZ MCKANGHA	AD PRESIDENT
CES USE ONLY (DO NO	TWRITE IN THIS SPACE)	7
Compliance Officer: Date: <u>&-19~08</u> Approval Number:	NApproved ☐ Rejected 2934	
		-
•	•	
	•	· .
	,	
ls this materia	eipt Classification Under 40 CFR 437 al a wastewater or wastewater sludge? omplete this section.	YES IN NO
PLEASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE	CATEGORY, GO TO THE NEXT PAGE.
	plating baths and/or sludges g rinse water and sludges	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
ĺ	\$65/dm
Į	
_	
2.	Contamination Limits (maximum limit before surcharges apply):
	Non-Conforming-Reject
İ	
l	
_	
3.	Surcharge Pricing:
	None
Ì	
[
	Control 1770 Control 1970 Contr
4.	Special Testing Requirements:
	None
Ì	
L	
_	Tuesday and Hamilton Durdesel.
5.	Treatment and Handling Protocol:
l	Class 1 liquids/Sludge
	·
L	
6.	Treated Wastewater Discharge Subcategory:
υ . Γ	Treater trasterater Discharge Subcategory.
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na



ANALYTICAL REPORT

JOR MUMBER: 356281

Property Flatter Flatte 208110

Property For

Property For

Buchanan Withconnectal Resolution

Property For Box 14624

Bomble, F. 77327-4634

Attention: David Buchanan

Date: 07/02/2908

Signature

Name: Jodi L. Allen

Title: Project Manager II

E-Mail: jodi.allen@testamericainc.com

TestAmerica Laboratories, Inc

6310 Rothway Drive Houston, TX 77040

PHONE: 713-690-4444

TOTAL NO. OF PAGES 30





David Buchanan Buchanan Environmental Associates P.O. BOX 14634 Humble, TX 77347-4634

Reference:

Project : PALMER PLAZA 208110

Project No. 1 356283

Date Received : 06/27/2008

TestAmerica Job : 356283

Dear David Buchanan:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

- 1. MW-1
- 2. MW-2
- 3. MW-3
- 4. TRIP BLANK

All holding times were met for the tests performed on these samples.

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all NELAP requirements for TestAmerica Houston's NELAP accredited parameters. Any exceptions to the NELAP requirements will be flagged accordingly and where applicable, included in a case narrative as a part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting TestAmerica to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

Jodi L. Allen Project Manager

EPAHO106000617

Table 1 Cross Reference Lab Identifications, Field Identifications, and Methods

Lab Identification	Field Identification	SW-846 8260B
356283-001	MW-1	1
356283-002	MW-2	1
356283-003	MW-3	1

Appendix A Laboratory Data Package Cover Page

This da	ta package o	consists of:	
3		signature page, the laboratory review checklist, and the following reportable data:	
S	Ri	Field chain-of-custody documentation;	
, 🖾	R2	Sample identification cross-reference;	
	R3	Test reports (analytical data sheets) for each environmental sample that includes:	
		a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10	
		b) dilution factors,	
		c) preparation methods,	
		d) cleanup methods, and	
		e) if required for the project, tentatively identified compounds (TICs).	•
⊠	R4		
		a) Calculated recovery (%R), and	
		b) The laboratory's surrogate QC limits.	
12 23	R5	Test reports/summary forms for blank samples;	
囟	R.6		
		a) LCS spiking amounts,	
		b) Calculated %R for each analyte, and	
		c) The laboratory's LCS QC limits.	
Ø	R 7		
		a) Samples associated with the MS/MSD clearly identified,	
		b) MS/MSD spiking amounts,	
		c) Concentration of each MS/MSD analyte measured in the parent and spiked samples.	
		d) Calculated %Rs and relative percent differences (RPDs), and	
_	75. A	e) The laboratory's MS/MSD QC limits	
⊠	R8		
		a) the amount of analyte measured in the duplicate,	
		b) the calculated RPD, and	
-	ъ.	c) the laboratory's QC limits for analytical duplicates.	
⊠ 1823	R9		
X		O Other problems or anomalies.	
Ø	: lDs	Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checkl	ĮSL,
Re	reviewed used, exc to the bes affect the	tement: I am responsible for the release of this laboratory data package. This data package head by the laboratory and is complete and technically compliant with the requirements of the maccept where noted by the laboratory in the attached exception reports. By me signature below test of my knowledge, all problems/anomalies, observed by the laboratory as having the potential of the data, have been identified by the laboratory in the Laboratory Review Check remation or data have been knowingly withheld that would affect the quality of the data.	ethods , I affirm tial to
CF	ant if an	pplicable: [] This laboratory is an in-house laboratory controlled by the person	
		ding to rule. The official signing the cover page of the rule-required report (for exam	mle the
) in which these data are used is responsible for releasing this data package and is by	
		ing the above release statement is true.	RIGHTONE
	WILLII IIIIII	tig the above release statement is thue.	
ر.	aig Bromley	by Laboratory Director 7/	10/2008
	me (Printed		14 5000
IAS	rene (t fillren	21) Signature 1 Official vine (billier) Date	
			·

App	endi	x A (cont'd): Laboratory Review Checklist	: Reportable Data					
Labon	atory l	Vame: TestAmerica-Houston	RC Date: 07/09/08					
Projec	t Nam	e: PALMER PLAZA 208110	aboratory Job Number: 356283					
Rovie	wer N	ame: YX	rep Batch Number(s): 400985 and 4010	771-1	/OA	•		
#1	I A ²	Description			No	ΝA³	NR	ER#
	+	Chain-of-custody (C-O-C)						
R1	OI	Did samples meet the laboratory's standard conditions of sa	mple accentability tipon veceint?	*****	X	33300000	333333	*****
	"	Were all departures from standard conditions described in a		х	<u></u>		-	┝
R2	OI.	Sample and quality control (QC) identification	III CASS PRIORI TOPOSI :	ŵ				
	 '` -	Are all field sample ID numbers cross-referenced to the lab	oratory ID numbers?	X	*200503:00	******	******	*****
	1	Are all laboratory ID numbers cross-referenced to the corres		X				-
Ŕ3	OX.	Test reports	Populari de envi					20
	177	Were all samples prepared and analyzed within holding time	(en	X	500000000	******	0000000	043978
		Other than those results < MQL, were all other raw values		X		\vdash		
	Ì	Were calculations checked by a peer or supervisor?	Diductive of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	X	-			一
	1	Were all analyte identifications checked by a peer or superv	risor?	X				⇈
		Were sample quantitation limits reported for all analytes no		X			\vdash	1
	1	Were all results for soil and sediment samples reported on		Ť		X	<u> </u>	
		Were % moisture (or solids) reported for all soil and sedim				X		
	1	If required for the project, TICs reported?		1		X		t
R4	ि	Surrogate recovery data						
		Were surrogates added prior to extraction?		X	7.11.11.11.2	1		
	1	Were surrogate percent recoveries in all samples within the	laboratory QC limits?	X				Η-
3.5	Οĭ	Test reports/summary forms for blank samples						
	1	Were appropriate type(s) of blanks analyzed?		X				Γ-
		Were blanks analyzed at the appropriate frequency?		X				_
		Were method blanks taken through the entire analytical pro-	cess, including preparation and, if	X		_		1
	1	applicable, cleanup procedures?				L	L	L
	1	Were blank concentrations < MQL?		X				
R6	OI	Laboratory control samples (LCS):						
		Were all COCs included in the LCS?		X				
	1	Was each LCS taken through the entire analytical procedure	e, including prep and cleanup steps?	X				
	1	Were LCSs analyzed at the required frequency?		X				
		Were LCS (and LCSD, if applicable) %Rs within the labor		X	L_		<u> </u>	
	1	Does the detectability data document the laboratory's capab	ility to detect the COCs at the MDL	X				
		used to calculate the SQLs?		<u> </u>		L	<u> </u>	
	ļ.,	Was the LCSD RPD within QC limits?		2002000		X		
R7	OI.	Matrix spike (MS) and matrix spike duplicate (MSD) d						
		Were the project/method specified analytes included in the	MS and MSD7	X	<u> </u>	<u> </u>		⊢
	1	Were MS/MSD analyzed at the appropriate frequency?		X	<u> </u>	 	-	<u>ــــ</u>
		Were MS (and MSD, if applicable) %Rs within the laborate	ory QC mantey	₩		<u> </u>	X	2
RØ	67	Were MS/MSD RPDs within laboratory QC limits?	···	1000000	*****	2000000	X	2
Kø	OI	Analytical duplicate data	450					388
	1	Were appropriate enalytical duplicates analyzed for each multiple were analytical duplicates analyzed at the appropriate frequency.		╁	├	X		├
	1	Were RPDs or relative standard deviations within the labor		╁╾	-	X	├	-
R9	or	Method quantifation limits (MQLs):	active of mines.	W. W.	92999		100	Nic.
	101	Are the MQLs for each method analyte included in the laboration	rateru data narkasar	X			20.50	12850
		Do the MQLs correspond to the concentration of the lowest		金	-	\vdash		╁╌
		Are unadjusted MQLs included in the laboratory data packet		 x			 	1
R16	OI	Other problems/anomalies	-F2 ·		***	20000		9933
	151	Are all known problems/anomalies/special conditions noted	Lin this LRC and ER?	X	530/5996	MINISTER ST	45-44-CSC	390300
	1	Were all necessary corrective actions performed for the rep		X	 		 	
	1	Was applicable and available technology used to lower the	OL to minimize the matrix interference		 		-	3
	1	affects on the sample results?	Z I I I I I I I I I I I I I I I I I	1^	ł	l	l	١ ٔ

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
 "creatic analyses; I = inorganic analyses (and general chemistry, when applicable);
 NA = Not applicable;
 NR = Not reviewed;
 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Labo	ratory	Name: TestAmerica-Houston	LRC Date; 07/09/08					
Proje	ct Na	me: PALMER PLAZA 2081 10	Laboratory Job Number: 356283				-	
			Prep Batch Number(s): 400985 and 40	071-	VOA			- -
# ¹	_	Description					NR	EP#
81	<u>जि</u>	Initial calibration (ICAL)			200	*****	100	220
27	101	Were response factors and/or relative response factors for e	ach combata within OC limita?	X	2022		******	1000000
	1	Were percent RSDs or correlation coefficient oriteria met?	acu analyte within CC minus?	*		├ ~-		- -
)	Was the number of standards recommended in the method	and the all analytical	Ŷ		-	}	├
		Were all points generated between the lowest and highest s		X	-		├	⊢
		Are ICAL data available for all instruments used?	STREET IN COLUMN THE CHI VEY	$\frac{\Lambda}{X}$				├─
		Has the initial calibration curve been verified using an emm	de de como de de de	Ŷ			├─	├-
3z	OI	Initial and continuing calibration varification (ICCV an	d CCV and continuing relibration		2000		632(2)	2833
~	101	Was the CCV analyzed at the method-required frequency?	of CCA) and continuing campiagns	X	200000	25556:50	30001615	2000
	1	Were percent differences for each analyte within the metho	d_required OC limite?	x	\vdash		-	├-
		Was the ICAL curve verified for each analyte?	PARTICI OC TIMES	Ŷ			├─	├
		Was the absolute value of the analyte concentration in the i	notesnic CCR CMDI 7	-^ -		x	1	┯
93	0	Mass spectral tuning:	HAN Suffic CCD / HTDL	22000				
	+	Was the appropriate compound for the method used for tuni	in a?	X	000000000000000000000000000000000000000	5.386588	CONTRACTOR IN	
		Were jon abundance data within the method-required OC li		₩				-
34	0	Internal standards (IS):	111(3/		200000		*****	700
 -	 	Were IS area counts and retention times within the method	required OC limite?	X	36(35.35)	25.787	**************************************	1800
35	OI.	Raw data (NELAC section 1 appendix A glossary, and se			88223S	800 PM	02:12:1	333
	\ <u>``</u>	Were the raw data (for example, chromatograms, spectral d		X	10000000	300,300	25,00,000	33203
	1	Were data associated with manual integrations flagged on t		蒙	-		├─	├-
96 36	0	Dual column confirmation	HO THW CALL!		30000		334333	88
	 ~-	Did dual column confirmation results meet the method-requ	tired OC2			X	030000	3997
57	10	Tentatively identified compounds (TICs):	200	330			(888A)	
	1	If TICs were requested, were the mass spectra and TIC date	subject to appropriate chacks?	0.000,000	*******	X	377.6.39	
96	Ť	Interference Check Sample (ICS) results:	Pariste to obbight man afternoon		7000	68.00		(2)
	╬┈	Were percent recoveries within method QC limits?		201000		X	1	E-K-03
89	Ī	Serial dilutions, post digestion spikes, and method of sta	indurd additions		323		EE N	223
	†	Were percent differences, recoveries, and the linearity with	in the OC limits enecified in the		Kessaee	X	******	22202
310	OI	Method detection limit (MDL) studies	20 0 000000					
	1	Was a MDL study performed for each reported analyte?		X	******	*****	*******	1
	1	Is the MDL either adjusted or supported by the analysis of	DCSs?	蒙	\vdash		1	┢┈
811	OI	Proficiency test reports:						1000
		Was the laboratory's performance acceptable on the applica	ble proficiency tests or evaluation	X			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
512	Οï	Standards documentation			W V		7000	
		Are all standards used in the analyses NIST-traceable or ob	tained from other appropriate sources?	X	*******			
913	01	Compound/analyte identification procedures						
-		Are the procedures for compound/analyte identification doc	unented?	X		1	Ī	
\$14	OI.	Demonstration of analyst competency (DOC)			800X			
		Was DOC conducted consistent with NELAC Chapter 5C of	or ISO/IEC 4?	X		1	1	1
		Is documentation of the analyst's competency up-to-date an		X			T	Γ
S 15	OI	Verification/validation documentation for methods (NE						
•	1	Are all the methods used to generate the data documented,		X	**********	,	-	1
516	01	Laboratory standard operating procedures (SOPs):			300	100	1	200
		Are laboratory SOPs current and on file for each method pe	-B 40	ĺχ	W-791500	Part Coper	TATAL BASE	1000

Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

O = organic analyses, I = inorganic analyses (and general chemistry, when applicable).

NA = Not applicable.

NR = Not Reviewed.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appe	ndix A (cont'd): Laboratory Review	Checklist: Exception Reports
Labora	tory Name: TestAmerica-Houston	LRC Date: 07/09/08
Project	Name: PALMER PLAZA 208110	Laboratory Job Number: 356283
Review	ver Name: YX	Prep Batch Number(s): 400985 and 401071-VOA
ER# ¹	DESCRIPTION The sample ID for sample MW-3 (356283-information on the sample container.	3) was not listed on the C-O-C; therefore the laboratory used the
2	The laboratory selected another client's san	nples to perform as the MSs/MSDs.
3	The 1,2-dichloroethene (total), cis-1,2-dich 356283-3 were elevated due to the dilution	aloroethens, tetrachloroethens, and trichloroethens SDLs for sample s necessary for analysis.

R#= Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

#35(287)

CHAIN OF CUSTODY RECORD

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ko .			LAS NUMBER				BOTTLE O	RDER		6					.,							
COMPANY	Buchanan Environmental Asso	ciates	BILL TO		Buchanan	Envir	ormental A	550c16	ates	E												
SEND REPORT TO	David Buchanan		INVOICE AT	7N	⊋avid Bu	chanan			_	G												
ADDRESS	20406 Perryoek Or.		ADDRESS	-	P.O. 60X	14634				ĭ			-									
	·																					
										M					•							
CITY/STATE/ZIP	Humble, TX 77346		CITY/STATE	/Z I P	Humble,	1X 773	¥7-4634			ĉ	1											
PHONE	281-852-2438		PHONE		281-852-	2438					[
FAX	281-852-2462		FAX		281-852-	2462				s			-									
CAME ALL SAME	LE DESCRIPTION			PRESE P		SHMI	LE MATRIA	SAVE		SAMPLE:	TUPPE	e e i j					a (1)					
M	[W-]			HU		V	Nation	6/:	26/08	<u>5:0</u>)C	3	ightharpoonup									П
· N	1W-2									543	5			\square					\prod	<u>. [</u>		\coprod
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Company Name:				Company Name:					Time	Comp	апу Ма	ime t									T fank	,
1. Received By:	Received By: Out 627-08				,				Date	3. R	eceive	d By:									Date	
Company Name:					Time Company Name:				Time	Confo	any Na	mie ;			_						Time	,

rpjsckl Job Sample Receipt Checklist Report	. V2
Job Number.: 356283 Location.: 57216 Check List Number.: 1 Description.: Customer Job ID: Job Check List Date.: Project Number.: 99001165 Project Description.: Customer: Buchenan Environmental Associates Contact.: David Buchanan	Date of the Report: 06/27/2008 Project Manager: jlr
Questions 7 (Y/N) Comments	
Chain of Custody Received?	
If "yes", completed property?	·
Custody seal on shipping container?	·
If "yes", custody seal intact?	
Custody seals on sample containers? N	
Samples childed?	
Temperature of cooler acceptable? (<≃6.Deg C). Y 5.3	,
If "no", is sample an air matrīx?(no temp req.)	
Thermometer ID Y 464	
Samples received intact (good condition)? Y	
Volatile samples acceptable? (no headspace) Y	•
Correct containers used?	
Adequate sample volume provided? Y	
Samples preserved correctly?	•
Samples received within holding-time? Y	
Agreement between COC and sample labels?	
Radioactivity at or below background levels? Y	
Additional	11/2
Comments	/ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Sample Custodian Signature/Date Y TFC	(' G'

Page 1

TRRP Laboratory Test Results

7/9/2008

USTOMER: Buckupan Egyptogrammal/Associates PROJECT PELMER PLAZA 2081)

Customer Sample ID: MW-1 Laboratory Sample ID: 356283-001

Date/Time Sampled 6/26/2008 05:00 Sample Matrix Water

Date/Time Received 6/27/2008 12:34

Job Number: 356283

THST METHOD	-CAS#	RESULT	CHICAG	ACUL.	P(C)	- SE1.	UNITS	Analysis Light Time	Pater	(D) (F)	Analy		
Method: SW-846 8260B, Water													
1,1,1-Trichloroethane	71-55-6	0.0001	บ	0.0001	0,001	0.0001	mg/L	6/28/2008 01:19	400985	1.00	klv		
1,1,2,2-Tetrachkoroethane	79-34-5	0.00005	บ	0.00005	0:001	0.00005	mg/L	6/28/2008 01:19	400985	1.00	klv		
1,1,2-Trichloroethane	79-00-5	0.00019	ซ	0.00019	0.001	0.00019	mg/L	6/28/2008 01:19	400985	1.00	kIv		
1,1-Dichloroethane	75-34-3	.0.00012	ย	0,00012	0.001	0.00012	mg/L	6/28/2008 01:19	400985	1.00	kiv		
1,1-Dickloroethene	75-35-4	0.00012	υ	0.00012	100.0	0,00012	ong/L	6/28/2008 01:19	400985	1.00	klv		
1,2-Dichloroethane	107-06-2	0.0002	ט	0.0002	0.001	0.0002	mg/L	6/28/2008 01:19	400985	1.00	klv		
1,2-Dichloroethene (total)	540-59-0	0.00015	ש	0.00015	0.002	0.00015	mg/L	6/28/2008 01:19	400985	L.00	kiv		
1,2-Dichloropropane	7B-87-5	0.00012	Ū	0.00012	0.001	0.00012	mgL	6/28/2008 01:19	400985	1.00	klv		
2-Hexanone	591-78-6	0.00036	U	0.00036	0.001	0,00036	mg/L	6/28/2008 01:19	400985	1.00	kiv		
4-Methyl-2-pentanone (MIBK)	108-10-1	0,00024	U	0.00024	0.001	0.00024	mest	6/28/2008 01:19	400985	1.00	kiv		
Acetone	67-64-1	0.00052	ט	0.00052	0.001	0.00052	mg/L	6/28/2008 01:19	400985	1.00	kív		
Benzene	71-43-2	81000,0	ט	0.00018	0.001	0.00018	mg/L	6/28/2008 01:19	400985	1.00	idv		
Bromodichloromethane	75-27-4	0.00024	י ש	0.00024	0.001	0.00024	mg/L	6/28/2008 01:19	400985	1.00	klv		
Bromoform	75-25-2	0.00031	υ	0.00031	0.001	0.00031	mg/L	6/28/2008 01:19	400985	1.00	klv		

Formi

TRRP Laboratory Test Results

CUSTONIEA: Probaten Bovirormental Associates

Customer Sample ID:

Job Number, 356283

MW-1

Laboratory Sample ID: 356283-001

7/9/2008

Date:

Date/Time Sampled 6/26/2008

Date/Time Received: 6/27/2008

05:00

12:34

Sample Matrix Water

	······································										
TEST METHER	CASA	RESID F	0 0.8	MIQU.	MOT	591	LATE	Andlese Date Flore	Batch	D.F.	Pyristy st
Bromomediane	74-83-9	0.00031	ט	0.00031	0.001	0.00031	mgL	6/28/2008 01:19	400985	1.00	kiv
Carbon Disulfide	75-15-0	0.00011	ਧ	0.00011	0.001	0.00011	mg/L	· 6/28/2008 01:19	400985	1.00	klv
Carbon Tetrachloride	56-23-5	0.00018	U	0,00018	0.001	0.00018	mg/L	6/28/2008 01:19	400985	1.00	kív
Chlorobeazene	108-90-7	0.00011	U	0.00011	0.001	0.00011	ng/L	6/28/2008 01:19	400985	1.00	kiv
Chloroethage	75-00-3	0.0003	U	0.0003	0.001	0.0003	mg/L	6/28/2008 01:19	400985	1.00	klv
Chleroform	67-66-3	0.00026	U	0,00026	0.001	0.00926	mg/L	6/28/2008 01:19	400985	1.00	klv
Chloromethane	74-87-3	0.0008	7	0,00006	0.001	0.00006	Tgn	6/28/2008 01:19	400985	1.00	klv
cis-1,2-Dichloroethene	156-59-2	0.00015	U	0.00015	0.001	0.00015	mg/L	6/28/2008 01:19	400985	1.00	Мv
cis-1,3-Dichloropropene	10061-01-5	0.00013	ป	0.00013	0.001	0.00013	mg/L	6/28/2008 01:19	400985	1,90	klv
Dibromochloromethane	124-48-1	0.00018	U	0,00018	0.001	0.00018	mg/L	6/28/2008 01:19	400985	1.00	klv
Ethylbenzene	100-41-4	0.00014	ש	0.00014	0.001	0.00014	mg/L	6/28/2008 01:19	400985	1.00	kiv
Methyl Efhyl Ketone (2-Butanone)	78-93-3	0.00046	ש	0.00046	100.0	0.00046	mg/L	6/28/2008 01:19	400985	1.00	klv
Methylene Chioride	75-09-2	0.00019	U	0.00019	0.001	0.00019	mg/L	6/28/2008 01:19	400985	1.00	klv
Styrene	100-42-5	0.0001	U	0.0001	0.001	0.0001	mg/L	6/28/2008 01:19	400985	1.00	Ыv
Tetrachioroethene	127-18-4	0.00018	U	0,00018	0.001	0.00018	næ/L	6/28/2008 01:19	400985	1.00	klv
		<u> </u>				<u></u>					

Form i

TRRP Laboratory Test Results

Customer Sample ID:

Job Number: 356283

MW-1

Laboratory Sample ID: 356283-001

Date/Time Sampled: 6/26/2008

Sample Matrix Water

Date:

7/9/2008

Date/Time Received 6/27/2008

05:00 12:34

TEST METROD	CAS#	RESOLA	****		HOL	2.500 Execute 100 Car	000000000000000000000000000000000000000	Amplysic Data Time	Carrier Company		28327104760807
Toluene	108-88-3	0.00912	U	0.00012	0.001	0.00012	ng/L	6/28/2008 01:19	400985	1,00	kiv
trans-1,2-Dichloroethene	156-60-5	0.00012	บ	0.00012	0.001	0.00012	mg/L	6/28/2008 01:19	400985	1.00	kiv
trans-1,3-Dichloropropene	10061-02-6	0.00021	ប	0.00021	100.0	0.00021	ngL	6/28/2008 01:19	400985	1.00	kiv
Trichloroethene	79-01-6	0,00014	ט	0,00014	0.001	0,00014	mg/L	6/28/2008 01:19	400985	1,00	kiv
Vinyl Chloride	75-01-4	0.00014	U	0.00014	0.001	0,00014	mg/L	6/28/2008 01:19	400985	1.00	kiv
Xylenes (total)	1330-20-7	0.00026	U	0.00026	0.003	0.00026	mg/L	6/28/2008 01:19	400985	1.00	klv
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Form I

Page 11

TRRP Laboratory Test Results

Job Number: 356283

Date:

7/9/2008

05:45

Customer Sample ID:

MW-2

Laboratory Sample ID: 356283-002

Date/Time Sampled: 6/26/2008

Sample Matrix Water

Date/Time Received: 6/27/2008 12:34

TEST METHOD	CASE	ROSULA		gag - Mel -	WOL	ab.	UNIAS	Analysis Darri Tanc	Esteli	0.2	aulys
Method: SW 3468260B, Water											
1,1,1-Trichloroethane	71-55-6	0.0001	U	0.0001	0.001	0.0001	mg/L	6/28/2008 01:49	400985	1.00	kiv
1,1,2,2-Tetrachloroethane	79-34-5	0.00005	U	0,00005	0.001	0.00005	rng/L	6/28/2008 01:49	400985	1.00	kiv
1,1,2-Trichkroethane	79-00-5	0.00019	ΰ	0.00019	0.001	0.00019	nug/L	6/28/2008 01:49	400985	1.00	klv
1,1-Dichloroethane	75-34-3	0.00012	u	0.00012	0.001	0.00012	mg/L	6/28/2008 01:49	400985	1.00	kīv
1,1-Dichloroethene	75-35-4	0.00012	ับ	0.00012	0.001	0.00012	ne/L	6/28/2008 01:49	400985	1.00	kl∀
1,2-Dichloroethane	107-06-2	0.0002	U	0.9002	0.001	0.0002	mg/L	6/28/2008 01:49	400985	1.00	kIv
1,2-Dichloroethene (total)	540-59-0	0.00015	υ	0.00015	0.002	0.00015	mgL	6/28/2008 01:49	400985	1.00	klv
1,2-Dichloropropane	78-87-5	0.00012	ט	0.00012	0.001	0.00012	mg/L	6/28/2008 01:49	400985	1.00	klv
2-Hexanone	591-78-6	0,00036	U	0.00036	0.001	0.00036	rog/L	6/28/2008 01:49	400985	1.00	klv
4-Methyl-2-pentanone (MIBK)	108-10-1	0.00024	บ	0.00024	0.001	0.00024	rag/L	6/28/2008 01:49	400985	1.00	kiv
Acetone	67-64-1	0.00052	U	0.00052	0.001	0.00052	mg/L	6/28/2008 01:49	400985	1.00	klv
Benzene	71-43-2	0,00018	U	0.00018	0.001	0.00018	ngi	6/28/2008 01:49	400985	1.00	kiv
Bromodichloromethane	75-27-4	0.00024	ប	0.00024	170.0	0.00024	mg/L	6/28/2008 01:49	400985	1.00	kiv
Bromoform	75-25-2	0.00031	ש	0.00031	0.001	0.00031	mg/L	6/28/2008 01:49	400985	1.00	kĺv
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TRRP Laboratory Test Results

STONER Eichnag Einzmerachtlichendigtes PROBET, PALDER PLAZA 208,10

Laboratory Sample ID: 356283-002

Date:

7/9/2008

Date/Time Sampled: 6/26/2008 05:45 Sample Matrix: Water

Date/Time Received: 6/27/2008 12:34

MW-2

Job Number: 356283

Customer Sample ID:

			·								San San San San San San San San San San
TEST METHOD	CASE	PESIDET	G ELA	9/892.	44.04	SDE	UNITS	Analysis Date Time	Enach	0.1	AJIN VE
Bronsomethane	74-83-9	1 2000.0	ש	0.00031	0.001	0.00031	mg/L	6/28/2008 01:49	400985	1.00	klv
Carbon Disulfide	75-15-0	0.00011	ប	0.00011	100.0	0.00011	me/L	6/28/2008 01:49	400985	1.00	klv
Carbon Tetrachloride	56-23-5	0.00018	บ	0,00018	0.001	0,00018	mg/L	6/28/2008 01:49	400985	1.00	klv
Chlorobenzene	108-90-7	0.00011	U	0.00011	100.0	0.00011	mg/L	6/28/2008 01:49	400985	I.00	kiv
Chloroethane	75-00-3	£000:0	יט	0.0003	100.0	0.0003	ngL	6/28/2008 01:49	400985	1.00	kiv
Chloroform	67-66-3	0.00026	บ	0.00026	0.001	0,00026	mg/L	6/28/2008 01:49	400985	1.00	kiv
Chloromethane	74-87-3	0.00006	υ	0,00006	0.001	0.00006	mg/L	6/28/2008 01:49	400985	1.00	klv
cis-1,2-Dichlomethene	156-59-2	0.00015	U	0.00015	0.001	0.00015	ong/L	6/28/2008 01:49	400985	1.00	klv
cis-1,3-Dichlaropropene	10061-01-5	0.00013	ש	0.00013	0.001	6.00013	mg/L	6/28/2008 01:49	400985	1.00	klv
Dibromochloromethane	124-48-1	0.00018	U	0.00018	0.001	0.00018	mg/L	6/28/2008 01:49	400985	1,00	kiv
Ethylbenzene	100-41-4	0.00014	ט	0.00014	9.0 01	0.00014	mg/L	6/28/2008 01:49	400985	1.00	kiv
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.00046	บ	0,00046	0.001	0.00046	ne/L	6/28/2008 01:49	400985	1.00	klv
Methylene Chloride	75-09-2	0.00019	ช .	0.00019	0.001	0.00019	rag/L	6/28/2008 01:49	400985	1.00	klv
Styrene	100-42-5	0,0001	ប	0.0001	0.001	0.0001	mg/L	6/28/2008 01:49	400985	1.00	klv
Tetrachloroethene	127-18-4	0.0329		0.00018	0.001	0,00018	mg/L	6/28/2008 01:49	400985	1.00	kiv

Form I

TRRP Laboratory Test Results

BOOLANGES PROPERTY PALMED PLAZA CIRCUS

Laboratory Sample ID: 356283-002

7/9/2008

Date:

Sample Matrix Water

Customer Sample ID: MW-2

Job Number: 356283

Date/Time Sampled 6/26/2008 05:45

Date/Time Received: 6/27/2008 12:34

THE METHOD	CAS#	1113117	m	FEAG	WEL :	MC	SDL	DNIES	Answije Date/Tipre	Saich	ŊΤ	Anays
Toluene	108-88-3	0.00012	U		0.00012	0.601	0.00012	mg/L	6/28/2008 01:49	400985	1.00	kiv
trans-1,2-Dichloroethene	156-60-5	0.00012	ט		0.00012	0.001	0.00012	mg/L	6/28/2008 01:49	400985	1.00	klv
trans-1,3-Dichloropropene	10061-02-6	0.00021	υ		0.00021	0.001	0.00021	mgT	6/28/2008 01:49	400985	L00	klv
Trichleroethene	79-01,-6	0.00387		1	0.00014	0.001	0.00014	mg∕L	6/28/2008 01:49	400985	1.00	kív
Vinyl Chloride	75-01-4	0.00014	U		0.00014	0.001	0.00014	ng/L	6/28/2008 01:49	400985	1.00	kiv
Xylenes (total)	1330-20-7	0.00026	ט		0.00026	0.003	0.00026	mg/L	6/28/2008 01:49	400985	1.00	kiv
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Form I

TRRP Laboratory Test Results

Job Number: 356283

Customer Sample ID:

MW-3

Laboratory Sample ID: 356283-003

Date:

7/9/2008

Date/Time Sampled 6/26/2008

Sample Matrix Water

Date/Time Received: 6/27/2008

06:40 12:34

Method: SW-846 8269B Water 1.1.1-Trichloroethane 71-55-6 0.0001 0.0001 0.001 0.0001 me/L 6/28/2008 02:19 400985 1.00 Мy 0.00005 6/28/2008 02:19 1,1,2,2-Tetrachloroethane 79-34-5 0.00005 U 0.00005 0.001 mg/L 400985 1.00 kl₹ 1.1.2-Trichloroethane 79-00-5 0.00019 0.00019 0.001 0.00019 zag/L 6/28/2008 02:19 400985 1,00 klv 1.1-Dichloroethane 75-34-3 0.00012 0.00012 0.001 0.00012 mg/L 6/28/2008 02:19 400985 1.00 kľν 1.1-Dichleroethene 75-35-4 0.0016 0.00012 0.001 0.00012 mg/L 6/28/2008 02:19 400985 1.00 kiv 107-06-2 0.0002 0.0002 0.001 0.0002 mg/L 6/28/2008 02:19 400985 1.00 1,2-Dichloroethane kly 540-59-0 0.0015 mg/L 6/30/2008 16:32 0.0537 0.00015 0.002 401071 10.0 1,2-Dichloroethene (total) Μv 78-87-5 1,2-Dichloropropane 0.00012 0.00012 0.001 0.00012 mg/L 6/28/2008 02:19 400985 1.00 klv 591-78-6 0.00036 U 0.00036 mg/L 6/28/2008 02:19 400985 2-Нежилопе 0.00036 0.001 1.00 klv U 108-10-1 0.000240.001 0.00024 mg/L 6/28/2008 02:19 400985 4-Methyl-2-pentanone (MIBK) 0.00024 1.00 klv 67-64-1 0.00052 U 0.00052 0.001 0.00052 mgL6/28/2008 02:19 400985 1.00 klv Acetone 71-43-2 0.00018 6/28/2008 02:19 400985 0.00018 0.00018 0.001 mg/L 1.00 Benzene kl₹ 75-27-4 0.00024 U 0.00024 100.0 0.00024 mg/L 6/28/2008 02:19 400985 1.00 Bromodichloromethane klv U 6/28/2008 02:19 Bromoform 75-25-2 0.00031 0.00031 0.0010.00031 me L 400985 1.00 klv

Form [

Page 15

TRRP Laboratory Test Results

СТЕТСМЕР! Бискапан Викичиненан А

Customer Sample ID:

Job Number: 356283

MW-3

Laboratory Sample ID: 356283-003

7/9/2008

Date/Time Sampled 6/26/2008

06:40

Sample Matrix Water

Date/Time Received: 6/27/2008

12:34

ARST MECHOL	f as #	BHS.U.T	8	ELAG S MDL	MUL	900	UNTES	analisis Bene Tipit	Bauch.	ĐÆ	Ama 75
Bromomethane	74-83-9	0.00031	U	0,00031	100.0	0.00031	ugL	6/28/2008 02:19	400985	1.00	klv
Carbon Disulfide	75-15-0	11000.0	ש	0.00911	0.001	0.00011	mg/L	6/28/2008 02:19	400985	1.00	klv
Carbon Tetrachieride	56-23-5	0.00018	u	0,00018	0.001	81000.0	mg/L	6/28/2008 02:19	400985	1.00	klv
Chloroben zene	108-90-7	0.00011	υ	0.00011	0.001	0.00011	mg/L	6/28/2008 02:19	400985	1.00	kiv
Chlorocthane	75-00-3	0.0003	U	0.0003	0.001	0.0003	mg/L	6/28/2008 02:19	400985	1.00	kiv
Chloroform	67-66-3	0.00026	U	0.00026	0.001	0.00026	mg/L	6/28/2008 02:19	400985	1.00	klv
Chloromethane	74-87-3	0.00075	1	0.00006	0.001	0.00006	mg/L	6/28/2008 02:19	400985	- 1.00 .	kiv
cis-1,2-Dichlaroethene	156-59-2	0.0537		0.00015	100.0	0.0015	ng/L	6/30/2008 16:32	401071	10.0	kļv
cis-1,3-Dichloropropene	10061-01-5	0.00013	ט	0.00013	0.001	0.00013	ngL	6/28/2008 02:19	400985	1.00	klv
Dibromochloromethane	124-48-1	81030,0	Ū	0.00018	100.0	0.00018	mgL	6/28/2008 02:19	400985	1.00	kiv
Eth ylbenzene	100-41-4	0,00043	1	0.00014	0.001	0.00014	ngl	6/28/2008 02:19	400985	1.00	kiv
Methyl Bthyl Ketone (2-Butanone)	78-93-3	0.00046	U	0.00046	0.001	0.00046	mgL	6/28/2008 02:19	400985	1.00	klv
Methylene Chloride	75-09-2	0.00019	U	0.00019	0.001	0.00019	ng/L	6/28/2008 02:19	400985	1.00	kĺv
Styrene	100-42-5	0.0001	ุบ	0.0001	0.001	0.0001	mg/L	6/28/2008 02:19	400985	1.00	klv
Tetrachloroethene	127-18-4	23.5		0.00018	0.001	0.09	mg/L	6/30/2008 17:03	401071	500	klv

Form

TRRP Laboratory Test Results

Job Number: 356283

Date:

7/9/2008

Customer Sample ID:

MW-3

Laboratory Sample ID: 356283-003

Date/Time Sampled 6/26/2008

Sample Matrix Water

Date/Time Received: 6/27/2008

06:40 12:34

TAST METROD	CAST	RESULT	0	i ac	M(9).	MOL	550.	UNITS	entippe Date Ditte	(Satch	D (F	
Toluene	108-88-3	0.00079	1		0.00012	0.001	0,00012	mg/L	6/28/2008 02:19	400985	1,00	kív
trans-1,2-Dichloroethene	156-60-5	0.00012	ט	İ	0.00012	100.0	0.00012	wg/L	6/28/2008 02:19	400985	1.00	klv
trans-1,3-Dichloropropene	10061-02-6	0.00021	ש	ĺ	0.00021	0.001	0,00021	mg/L	6/28/2008 02:19	400985	1.00	kiv
Trichloroethene	79-01-6	0.0938		ļ	0.00014	0.001	0,0014	ngL	6/30/2008 16:32	401071	10.0	klv
Vînyl Chloride	75-01-4	0,0007	7	İ	0.00014	0.001	0,00014	mgL	6/28/2008 02:19	400985	1.00	kív
Xylenes (total)	1330-20-7	0.0005 6]]	1	0.00026	0,003	0.00026	mg/L	6/28/2008 02:19	400985	1.00	klv
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Form I

Pege 17

Jo	ob Number.: 356283	CONTROL R	ESULT6	Report Date.: 07/0	9/2008
CUSTOMER Such	Oeacription	PCI: PALMER PLAZA 20 Reeg. Code	Entip Lab ID	SAFING David Burtar	Date Time
	8W-846 82608 tion.: Volațile Organics (25ml purge)	Unite Batch(s):	400985 401071	Analys	it; kiv

LOS CABODETORY CONTROL SAMPLE		* vs062508H1			i i	6727/2008 15
Parameter/Test Description	OC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Benzens, Vater	11,1278		10,000000	ND	111.3	18-150
Bromodichloromethane, Water	12.0426		10.000000	ND	120.4	58-136
Bromoform, Water	11.7317		10.000000	ND	117.3	64-156
Bromomethane, Water	9.27414		10.00000	ND ·	92.7	48-161
Carbon Tetrachloride, Water	12.1772		10.000000	ND	121.8	62-154
Chlorobenzene, Water	11.8000		10.000000	ND	118.0	58- 152
Chloroethane, Water	11.1371		10.000000	ND	111.4	43-170
Chloroform, Water	12.1256		10_00000	ND	121.3	58-154
Chloromethane, Water	9.54785		10,00000	ND	95.5	31-161
Dibromochloromethane, Water	11.7418		10,000000	ND	117.4	65-149
1,1-Dichloroethane, Water	10.8775		10.000000	ND	108,8	64-132
1,2-Dichloroethane, Water	12.2352		10.00000	ND	122.4	69-131
1,1-Dichloroethene, Water	11.5189		10.000000	ND	115.2	53-128
cis-1,2-Dichloroethene, Water	10.6032		10.00000	ND	105,8	60-145
trans-1,2-Dichlorostheme, Water	10.7914		10.000000	ND	107.9	60-147
1,2-Dichloropropane, Water	10,4092		10.000000	ND	104.1	62-128
Ethylbenzene, Water	11.3971	,	10.000000	ND	114.0	70-122
Methylene Chloride, Water	10.5651		10,000000	ND	105.7	53-138
Styrene, Water	11.5703		10.00000	ND	115.7	68-126
1,1,2,2 Tetrachioroethane, Water	11.8337		10.000000	ND	118.3	51-151
Tetrachloroethone, Water	11.4893		10.000000	ND	114.9	52-145
Toluene, Water	11.3235		10.000000		113.2	56-149
1,1,1-Trichloroethene, Water	11.9350	•	10.000000	ND ND	119.3	61-141
1,1,2-Trichloroethone, Water	11.1556		10.000000		111.6	66-129
Trichlorosthens, Water	11.4178		10.000000	ND	114.2	, 58-153
Vinyt Chloride, Water	11.0747		10,000000	ND	110.7	44-142
Xylenes (total), Water	35,1206		30.000000	ND:	117.1	41-152
Acetone, Vater	9.07982		10.000000		90.8	38-188
Carbon Disulfide, Vater	12.5011		10.000000		125.0	56-163
cis-1,3-Dichloropropene, Water	11.6614		10.000000		116.6	49-135
trans-1,3-Dichloropropene, Water	12.1020		10.000000		121.0	54-155
Methyl Ethyl Ketone (2-Butanone), Water	12.1510		10.000000		121.5	45-188
2-Nexagone, Water	11.7808		10.000000	NO	117.B	50-158
4-Methyl-2-pentanons (MIBK), Water	12.1144		10.000000		121.1	54-151
1,2-Dichloroethene (total), Water	21.3946		20.000000	ND	107.0	60-140

MR Method Stank		VSU6250BC	24 (24 (24 (24 (24 (24 (24 (24 (24 (24 (PASA NSORIA	617
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc, Result	• Limits	F
Benzene, Vater	ND						
Bromodichloromethane, Water Bromoform, Water	ND ND						
Bromomethane, Water	ND						
Carbon Tetrachloride, Water Chiorobenzane, Water	ND ND						
Chloroethane, Water	ND					•	
Chloroform, Water Chloromethame, Water	ND ND						

Page 18 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job Number.: 356283	QUALIYY	CONTROL	RESUL	7 8	Repor	t Date.: 07/0	9/2008	
CUSTOMERS Bucharians Environmental assoct	atga PRQJE	CTE PALMER PLAZ	208110		ATTN:			
QC Type Description		Reag. Code	Le	P 10 .	Dilu	tion Factor	Date	Time
MB Method-Blank		V65625/05C					06727720	16 1617
Parameter/Test Description	QC Result	QC Result	True Value	Orig.	Value	Calc. Resul	t * Limi	ts f
Dibromochloromethane, Water	ND							
1,1-Dichloroethane, Water	ND							
1,2-Dichloroethane, Water	ND ND							
1,1-Dichloroethene, Water cls-1,2-Dichloroethene, Water	ND ND							
trans-1,2-Dichloroethens, Water	ND ND							
1,2-Dichloropropane, Water	ND							
Ethylbenzene, Water	ND							
Methylene Chloride, Water	D							
Styrene, Water	· NO							
1,1,2,2-Tetrachloroethane, Water	ND							
Totrachlorootheme, Water	ND							
Toluene, Water	ND							
1,1,1-Trichlorosthans, Vator	ND							
1,1,2-Yrichloroethane, Water	ND							
Trichtoroethene, Water	ND							
Vinyl Chloride, Water	ND							
Xylenes (total), Water	ND							•
Acetone, Water	ND							
Carbon Disulfide, Water cis-1,3-Dichloropropene, Water	ND MD							
trans-1,3-Dichloropropene, Water	ND ND							
Nethyl Ethyl Ketone (2-Butanone), Water	ND							
2-Hexanone, Water	ND					•		
4-Methyl-2-pentanone (MIBK), Water	ND	•						
1,2-Dichloroethene (total), water	ND							

MS Mutrix Spike		V\$062508E	355752-7	40.00	000	67E7/2008 1	647
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	Limits	F
Benzene, Water	9.59443		10.000000	ND	96	65-125	
Bromodichloromethane, Water	10.0339		10.000000	ND	100	60-140	
Bromoform, Water	7-02213		10,000000	ND	70	60-140	
Bromomethane, Water	3.62323		10.000000	ND	36	60-140	A
Carbon Tetrachloride, Water	10.6051		10,000000	ND	106	60-140	
Chlorobenzene, Water	10.3312		10.000000	ND	101	72-122	
Chloroethane, Water	8.81187		10_000000	ND	8 8	60-140	
Chloroform, Water	10.1132		10.000000	ND	101	60-140	
Chloromethane, Vater	5.54850		10.000000	ND	55	6 0-140	Α
Dibromochloromethane, Water	7.49980		10.000000	ND	95	60-140	
1,1-Dichlorosthams, Water	9.36120		10.000000	ND	94	60-140	
1,2-Dichloroethane. Water	10.4393		10,000000	ND	104	60-140	
1,1-Dichloroethene, Water	10.0055		10,000000	ND	100	22-123	
cis-1,2-Dichloroethene, Water	46.5525		10,000000	36.8196	97	60-140	
truns-1,2-Dichloroethene, Water	9.85000		10-000000			60-140	
1,2-Dichloropropane, Water	9,13820		10.000000	ND	91	60-140	
Ethylbenzene, Water	9.75864		10.000000	ND	98	60-140	
Methylene Chioride, Water	9.12585		10.000000	1.24931	79	60-140	
Styrene, Water	8.98793		10.000000	ND	90	60-140	
1,1,2,2-Tetrachloroethane, Water	5.50650		10,000000	ND	55	60-140	Α
Tetrachloroethene, Water	10.1123		10.000000	0.67646	94	60-140	
Toluene, Water	. 9.82156	•	10.000000	ND	95	76-125	

Page 19 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

		·					
Job Number.: 356283	QUALITY	CONTROL	. RESULT		Date.: 07/09/	/2008	
CUSTOMER: Buchanare Environmental Ass	Octates PROJE	TO PALMER DIA	4 208110	ATTRE			
QC Type Descripti	on	Reag. Code	lab I	D Ditut	ion factor	Date 7	me
MS Natifix Spike		V9042508E	- 35578Z-Z	16.00	000	06/27/2008 1	647
Parameter/Test Description	QC Result	QÇ Result	True Value	Orig. Value	Calc. Result	* Limits	F
,1,1-Trichloroethane, Water	10.1425		10.000000	ND	101	60-140	
,1,2-Trichloroethame, Water richloroetheme, Water	9.41929 10.6409		10.000000	ND 1.11617	94 95	60-140 56-118	
inyl Chloride, Water	12,5177	•	10.000000	4.02456	85	60-140	
ylenes (total), Water cetone, Water	29.8707 1.84 9 50		30,000000 10,000000	ND ND	100 16	60-140 60-140	
arbon Disulfide, Water	12.3844		10.000000	ND	124	60-140	
1s-1,3-Dichloropropene, Water	B. 75816		10.000000	ND	8B	60-140	
rans-1,3-Dichloropropene, Water ethyl Ethyl Ketone (2-Butanone), Wate	9,63358 er 11,1509		10,000000	ND ND	96 112	60-140 60-140	
-Nexanone, Water	11.0463		10.000000	ND ·	110	60-140	
-Mothyl-2-pontanone (MIBK), Water	10.6018		10,000000	NO	106	60-140	
MSD Marrix Spirt pupicate		VED-250EE	355752-7	10.00	060	06/27/2008	9 17
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits .	F
anzene, Water	10.7517	9.59443	10.00000	ND	108 11.4	65-125 30,0	
romodichloromethane, Water	11_0276	10.0339	10.000000	ND	110	60-140 30.0	
romoform, Water	7.65758	7.02213	10.000000	ND	77 8.7	60-140 30-0	
romomethane, Water	5.16919	3.62323	10.000000	ND	52 35.2	60-140 30.0	A
arbon Tetrachloride, Water	12.2230	10.6051	10.000000	ND	122 14.2	6D-140 30.0	·
hlorobenzene, Water	11.3032	10.1312	10,000000	ND	113 10.9	72-122 30.0	
hloroethane, Water	9.87950	8.81167	10.000000	ND	99 11,4	60-140 30.0	
hloroform, Water	11.3927	10.1132	10.000000	ND	114 11.9	69-149 30.0	
hloromethene, Water	6.24380	5.54850	10,000000	ND	6Z 11.8	60-140 30.0	
ibromochloromethane, Water	10.6375	9,49980	10.000000	ND	106 11.3	6D-140 30.0	
,1-Dichloroethane, Water	10.4751	9.36120	10.000000	ND.	105 11.2	60-140 30 ₋ 0	
,2-Dichloroethane, Water	10.9123	10,4393	10.000000	ND	109	60-140 30.0	
,1-Dichloroethene, Water	11.3320	10.0055	10.000000	ND	113 12.4	22-123 30.0	
is-1,2-Dichlorostheme, Water	46_0516	46.5525	10.000000	36.8196	92 1,1	60-140 30.0	
rans-1,2-Dichloroethene, Water	11.0377	9.85000	10.000000	0.57962		60-140 30.0	
,2-Dichloropropane, Water	9,90017	9.13820	10.000000	ND	99 8.0	60-140 30_0	
thylbonzene, Water	11.3176	9.75864	10.000000	ND	113 14,8	60-140 30.0	
Methylane Chloride, Water	9,46086	9.12585	10.000000	1.24931		60-140	

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Job Number.: 356223	QUALITY	CONTROL	RESULT		Date.; 07/09/	200 8	
CUSTOMER: Buchanam Environmental Associ	ates PROJE	I PALMER PLAZ	antio "	BITN2			
QC Type Description		Reag. Code	Lab I	D Dilut	ion Factor	Date Til	ne
MSI MATERY Spikarikepideata		L. V8062507.E	355732-7	90.00	XII	15/23/2008 4	917
Perumeter/Teat Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
tyrene, Water	10.7263	8.98793	10.000000	ND	107	60-140	
,1,2,2-Tetrachloroethame, Water	6. 13428	5.50650	10,000000	ND	17.6 61	30.0 60-140	
etrachloroethene, Water	12.0019	10.1123	10,000000	0.67646	10.8 113	30.0 60-140	
oluene, Water	11.2401	9.82156	10,000000	ND	17.1 112	30.0 76-125	
,1,1-Trichloroethame, Water	11.4348	10.1425	10.000000	ND	13.5 114	30.0 60-140	
•		9,41929			12.0	30.0 60-140	
,1,2-Trichloroethane, Water	10.3373		10.000000	ND	103 9.3	30.0	
richloroethene, Water	12.0128	10,6409	10.000000	1.11617	109 12.1	56-118 30.0	
inyl Chloride, Water	13.4661	12,5177	10.000000	4.02456	94 7.3	60-140 30.0	
ylenes (total), Water	34.0057	29.8707	30_000000	ND	113 12.9	60-140 30.0	
cetone, Water	1.92361	1.84950	10.000000	ND	19	60-140	A
arbon Disulfide, Water	14.0554	12.3844	10.000000	ND	3.0 141	30.0 60-140	A
ia-1,3-Dichlorapropene, Water	9.62964	8.75816	10,000000	ND	12.6 96	30.0 60-140	
rans-1,3-Dichloropropene, Water	10.2053	9.63358	10.000000	ND	9.5 1 02	30.0 60-140	
ethyl Ethyl Ketone (2-Butanone), Water	11.4070	11.1509	10.000000	ND	5.8 114	30.0 60-140	
-Hexanone, Water	11.6332	11.0463	10.000000	ND	· 2.3 116	30.0 6 0-140	
-Methyl-2-pentamone (MIBK), Weter	11.1019	10.6016	10.000000	ND	5.2 111	30.0 60-140	
The differ to post distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distribution of the distrib	7111017	10,5010	10100000	no.	4,6	30.0	
ICS Laboratory Control Sample		VSC62503H1				16/30/2008	331
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Linits	F
enzene, Water'	10,1703		10.000000	MD	101.7	18-150	
romodichloromathane, Water romoform, Water	11.0409 11.1227		10.000000 10.000000	. ND ND	110.4 111.2	58-136 64-156	
romomethane, Water	8,30021		10.000000	ND	83.0	48-161	
erbon Tetrachloride, Water	10.6342		10.000000	ND	106.3	62-154	
hlorobenzene, Water hloroethene, Water	10.8007 10.3293		10.000000 10.000000	ND ND	108.0 103.3	58-152 43-170	
hloroform, Water	10.9590		10.000000	ND	109.6	58-154	
hloromethane, Water	8.97383		10.000000	ND	89.7	31-161	
ibromochloromethane, Heter	10.6971		10.000000	ND	107.0	65-149	
,1-Dichlorosthene, Water ,2-Dichlorosthane, Water	9.86716 11.4997		10.000000 10.000000	ND ND	98.7 115.0	64-132 60-131	
	1114777					69-131	
,1-Dichloroethene, Water	10.4424		10.000000	ND	104.4	53-12R	
,1-Dichloroethene, Water is-1,2-Dichloroethene, Water	10.4424 9.87 205		10.000000 10.000000	ND ND	104.4 98.7	53-128 60-145	

Job Number.: 356283	QUALITY	CONTROL	RESULT	-	t Date.: 07/09	/2008	
CUSTOMER: Buchanam:Environmental:(Adadulta	ces/ PecuE	914: Palmen Plaza	208110	- ATTN			
QC Type Description		Reag. Code	Lab	ID Dilu	tion Factor	Date T	}me
ICS Laboratory Control Sample		VSDSZSOFIM		L Parametris		86730720EB	1331
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Ethylbenzene, Water Methylene Chlorido, Water Styrene, Water 1,1,2,2-Tetrachloroethane, Water Tetrachloroethene, Water Toluene, Water 1,1,1-Trichloroethane, Water 1,1,2-Trichloroethane, Water Yrichloroethane, Water Yrichloroethane, Water Vinyl Chloride, Water Xylenea (total), Water Acetone, Water Carbon Disulfide, Water Carbon Disulfide, Water trans-1,3-Dichloropropene, Water trans-1,3-Dichloropropene, Water Methyl Ethyl Ketone (2-Butanone), Water 2-Hexanone, Water 4-Methyl-2-pentanone (MIBK), Water 1,2-Dichloroethene (total), Water	10.6195 8.92933 10.7033 10.8606 10.6365 10.4997 10.8179 10.5015 10.2460 10.0582 32.0992 13.6110 11.4356 10.7761 11.3262 11.5250 11.7029 11.4256 20.0143		10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000 10.00000	DA OA OA OA OA OA OA OA OA OA OA	106.2 89.3 107.0 108.6 106.4 105.0 108.2 105.0 102.5 100.6 107.0 136.1 114.4 107.8 113.3 115.2 117.0 114.3	70-122 53-138 68-126 51-151 52-145 56-149 61-141 66-129 58-153 44-152 38-188 56-163 49-135 45-188 50-158	
PB Method Blank		95062508C				06/30/2008	1432
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Celc. Result	→ Limits	F
Benzene, Water Bromodichloromethane, Water Bromodichloromethane, Water Bromonthane, Water Carbon Tetrachloride, Water Chlorobenzene, Water Chlorothane, Water Chloromethane, Water Chloromethane, Water Chloromethane, Water Dibromochloromethane, Water 1,1-Dichloromethane, Water 1,2-Dichloromethane, Water 1,2-Dichloromethane, Water 1,2-Dichloromethane, Water 1,2-Dichloromethane, Water trans-1,2-Dichloromethane, Water trans-1,2-Dichloromethane, Water Ethylbenzene, Water Ethylbenzene, Water Bethylene Chloride, Water Styrene, Water 1,1,2,2-Tetrachloromethane, Water Totrachloromethane, Water 1,1,1-Trichloromethane, Water 1,1,2-Trichloromethane, Water Trichloromethane, Water Trichloromethane, Water Vinyl Chloride, Water							

Page 22 * %=% REC, RaRPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS Job Number .: 356283 Report Date.: 07/09/2008 ATTN CUSTOMER: Bucharian Environmental-Associatos PROJECTS RALMER PEAZA 208110 Lab ID Dilution Factor QC Type Description Reag. Code Date Time Method Ellank 06/30/2008: 1432 Calc. Result * Limits Parameter/Test Description QC Result QC Result True Value Orig. Value F cis-1,3-Dichloropropene, Water NO NO trans-1,3-Dichloropropens, Water Methyl Ethyl Ketone (2-Butanone), Water ND 2-Hexanone, Water NĐ 4-Methyl-2-pontanone (MIBK), Water 1,2-Dickloroethene (total), Water MD ND MS Matrix Spike VSC625DHE 355752-8 | 10:00000 | 06/30/2008 0502 Parameter/Test Description Calc. Result * Limits QC Result QC Result True Value Orig. Value Benzene, Water Bromodichloromethane, Water 10,5943 10.000000 106 65-125 ND 10.900000 109 60-140 10.8988 ND ND Bromoform, Water 7.3642B 10.000000 74 60-140 ND Bromomethane, Water 4.44016 10.000000 60-140 Carbon Tetrachloride, Water 11.4636 10.000000 ND 115 60-140 Chlorobenzene, Water Chloroethane, Water 72-122 11.0770 10.000000 ND 111 10,000000 ND 101 60-140 10.0543 Chloroform, Water 11.0657 10,000000 ND 60-140 111 Chloromethane, Water Dibromochloromethane, Water 10.000000 ND 62 60-140 6-15003 105 60-140 10.4518 10.000000 ND 1,1-Dichloroethane, Water 10,1727 10.000000 ND 102 60-140 1,2-Dichloroethane, Water 60-140 11.3636 10.000000 ND 114 1,1-Dichloroethene, Water 10,000000 ND 111 22-123 11.1191 cis-1,2-Dichlorosthene, Water 10,000000 44.8305 60-140 47.6261 28 trans-1,2-Dichloroethene, Water 10.000000 101 10.7340 0.63995 60-140 1,2-Dichloropropane, Water 10.0421 10.000000 100 60-140 Ethylbenzene, Water 10,000000 ND 107 60-140 10.7479 Methylene Chloride, Water 8.99762 10.000000 90 60-140 ND 10.7758 Styrene, Water 10.000000 ND 108 60-140 1,1,2,2-Tetrachloroethame, Water 6.02707 10,000000 ND 60 60-140 Tetrachloroethene, Water 11.3592 10,000000 0.89855 105 60-140 Toluene, Wêter 1,1,1-Trichloroethene, Water 10.7303 10.000000 107 76-125 ND 10.000000 60-140 ND 111 1,1,2-Trichtoroethane, Water 10.D149 10.000000 100 60-140 1.35085 Trichloroethene, Water 11.7442 10.000000 104 56-118 Vinyl Chloride, Vater 13.4765 10.000000 4.93968 85 60-140 Xylenes (total), Water 32.8833 30.000000 110 60-140 Acetone, Water 2.30894 10.000000 ND 23 60-140 Carbon Disulfide, Water 60-140 10.000000 138 13.8405 ND 10.3998 10.000000 60-140 cis-1,3-Dichloropropene, Water 104 NO 10.000000 60-140 trans-1,3-Dichloropropene, Water 11.1948 112 ND 60-140 Hethyl Ethyl Ketone (2-Butanone), Water 12.1523 10.000000 ND 122 2-Hexanone, Water 11.9764 60-140 10.000000 ND 120

11.6763

4-Methyl-Z-pentanone (MIBK), Water

Page 23 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

ND

117

10.000000

60-140

QUALITY CONTROL RESULTS Job Number .: 356283 Report Date.: 07/09/2008 CUSTORER: Euchanan envirormantal Associates . . . PROJECTS PALHER PERZE 208150 QC Type Leb ID Dilution Factor Description Reag. Code Date Time 355732-8 Calc. Result * Limits Paramater/Test Description OC Result QC Result True Value Orig. Value 11.1232 10.5943 65-125 Benzene, Water 19.000000 ND 111 4.9 30.0 Bromodichloromethene, Water 11.5635 10.8988 10,000000 ND 116 60-140 5.9 30.0 Bromoform, Water 8.04496 7.36428 10.000000 ND 60-140 30.0 8.8 Promomethane, Water 5.62314 4.44016 10,000000 ND 60-140 23.5 30.0 Carbon Tetrachloride, Water 12.2724 11.4636 10_000000 ND 123 60-140 6.8 30.0 Chlorobenzene, Weter 11.6651 11.0770 10.000000 72-122 ND 117 30.0 5.2 10.5277 10.0543 10.000000 Chloroethane, Water 60-160 ND 105 30.0 Chloroform, Water 11.7581 11.0657 10.000000 60-140 ND 118 30.0 Chloromethane, Water 6.78130 6.15003 10.000000 ND 60-140 68 30.0 Dibromockioromethane, Water 10.9176 10.4518 10.000000 109 60-140 ND 30.0 1,1-Dichloroethone, Water 10.8197 10,1727 10,000000 60-140 ND 108 30.0 6.2 1,2-Dichloroethame, Water 12.2344 11.3636 10.000000 60-160 ND 122 30.0 1,1-Dichlorosthene, Water 12.0587 11,1197 10,000000 ND 22-123 121 30.0 48.5397 47.6261 10.000000 44.8305 cis-1,2-Dichloroethene, Water 60-140 30.0 trans-1,2-Dichloroethene, Water 11,4098 10.7340 10.000000 0.63995 60-140 108 30.0 6.1 1,2-Dichloropropane, Water 10.6316 10.0421 10.000000 ND 106 60-140 30.0 Ethylbenzene, Water 11.3416 10,7479 10,000000 60-140 ND 30.0 Methylene Chloride, Water 9.62106 8.99762 10.000000 60-140 ND 30.0 Styrene, Water 11.3562 10.7758 10.000000 ND 60-140 30.0 1,1,2,2-Tetrachloroethane, Water 6.43277 6.02707 10.000000 ND 60-140 30.0 Yetrachloroethene, Water 11.9722 11.3592 10.000000 0.89855 60-140 30.0 Toluene, Water 11.3278 10.7303 10.000000 ND 76-125 30.0 1,1,1-Trichloroethane, Water 11.6656 11.0565 10.000000 60-140 30.0 1,1,2-Trichlorosthame, Water 10.6785 10.0149 10.000000 107 60-140 30.0 Trichloroethene, Water 12.0335 11.7442 10.000000 1.3508\$ 56-118 30.0 Vinyl Chloride, Water 14,4939 13.4765 10.000000 6.03069 60-140

34.6700

32.6833

Xylenes (total), Water

30.000000

30.0

60-140 30-0

Page 24 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

Job No	unber.: 356283	QUALITY	CONTROL	RESULT		ort Date.: 07/0	9/2008
CUSTOMER: Buckanan	Envi romenteli Associ	etas PRCUE	GT: PALMER PLAZ	A 206110	ATT	y.	
QC Туре	Description		Reag. Code	Lab	lb Di	lution factor	Date Time
MSD Metro	c SpikerDuplaeste	-	V9062508E	355732 &	10	00000	06/30/2006 153
Parameter/Te	est Description	QC Recult	QC Recult	True Value	Drig. Value	e Calo, Resul	t * Limits
Acetone, Water		2.46492	2.30894	10.000000	ND	25 6.5	60-140 A
Carbon Disulfide, Wat	ter	14.8252	13.8405	10.000000	ND	148 6.9	60-140 / 30.0
cis-1,3-Dichloropropi	ene, Water	10.8126	10.3998	10.000000	ND	108	60-140
trans-1,3-Dichloropro	opene, Water	11.5775	11.1948	10.000000	ND	3.9 116 3.4	30.0 60-140 30.0
Methyl Ethyl Ketone	(2-Butanone), Water	12.8762	12.1523	10.000000	ND	129	60-140
Z-Hexanone, Water		11.7408	11.9764	10.000000	ND	5.8 117	30.0 60-140
4-Methyl-2-pentanons	(MIBK), Water	12.1221	11.6763	10.000000	ND	2.0 121 3.7	30.0 60-140 30.0

SURROGATE RECOVERIES REPORT

Job Number.: 356283

Report Date.: 07/09/2008

	thod tch(s)		: Volatile Organics (25mL purge): 400985 401071			d Code Matrix	Prep Batch: Equipment Code: (
Lab ID		ÞŤ	7 Sample ID		Date	12DCED	BRFLBE	DBRFLM	TOLD8	
55732-	7 MS	_	MW-4-(061708)		6/27/2008	81.8	88.6	79.2	82.5	
355 <i>73</i> 2-	7 MSD		MW-4-(061708)	0	6/27/2008	93.3	108.9	95.3	101.6	
55732-	B MS		DUP-1	0	6/30/2008	85.9	96.2	85.9	87.8	
557 3 2- (B MSD		DUP-1	0	6/30/2008	102.7	109.0	103.6	101.6	
56283-	1		MV-1	0	6/28/2008	97.4	103.2	92.1	95.2	
5 6 283-	2		MW-2	0	6/28/2008	92.7	98.9	91.7	92.3	
56283-	3		mw-3	0	6/28/2008	104.2	108,1	102.8	107.8	
56283 <i>-</i> :	3		E-um	0	6/30/2008	108.8	114.5	102_8	98.5	
56283- :	3		E-UN	0	6/30/2008	104.2	105.3	100.8	97.6	
009852	1 LCS			a	6/27/2008	116.6	105.1	111.7	111.6	
009852	1 MB			0	6/27/2008	105.3	108.9	100.1	103.9	
010712				0	6/30/2008	110.0	96.1	105.4	102.8	
010712	1 MB			0	6/30/200B	108.8	114.4	102.4	103.8	
Test	Test	Des	scription	Limits						
Žnaro.	A T Dichter of W				-					

QUALITY ASSURANCE METROD REFERENCES AND NOTES Report Cate: 07/09/2008

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Reporting (imits are adjusted for sample size used, dilutions and moisture content if applicable.
- 3) According to 40CFR Part 136.3, pH, Chlorine Remidual, and Dissolved Dxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pM Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

 4) For all USACE projects, the QC limits are based on "mean +/- 2 sigma", which are the worning limits.

General Informations

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reported as the final result.
- m-Cresol (3-Methylphenol) and p-Cresol (4-methylphenol) co-elute. The result of the two is reported as either map-cresol or as 4-methylphenol (p-cresol).
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, may be detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to Laboratory contamination.
- Trimethysityl(Diazomethane) is used to esterify acid herbicides in Method SW-846 B151A.
- For Inorganic analyses, duplicate QC limits are determined as follows: If the sample result is less than or equal to 5 times the reporting limit, the RPD limit is equal to the reporting limit. If the sample result is greater than 5 times the reporting limit, the RPD limit is the method defined RPD.
- For TRRP reports, the header on the column RL is equivalent to a MOL/POL.
- Results for LCS and MS/MSD recoveries listed in the report are reported as ug/L on-column values which ere not corrected for variables such as sample volumes or weights extracted, final volume of extracts and dilutions. To correct QC on-column recoveries to reflect actual spiking volumes for soils, mutitiply the values reported for Diezel Range Organics and Semivolatiles by 33.3 and Gasolins Range Organics by 20. The B260 and 1006 results will not require correction. The only corection required for water analysis is for method 1006 where the reported concentration must be multiplied by 0.1.
- Due to limitiation of the reporting software, results for the Method blank in the Samivolatile fraction are reported as "O". Which indicates there was no compound detected at the reporting limit for the compound reveiwed.
- The dilution factor listed on the report represents only the analytical dilutions necessary for the target compounds to be within the calibration range of the instrument. It does not include any preparation factors, dry weight or any other adjustment.

Explanation of Qualiflers:

- U This qualifier indicates that the analyte was analyzed but not detected.
- J (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the
- B (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- N (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic charachterization of a TIC, such as "chlorinated hydrocarbon", the "N" fleg is not used,

Explanation of General QC Outliers:

- A Matrix interference present in sample.
- a MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
- Target analyte was found in the method blank.
- M QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reamalyzed.
- L LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were

AUALILY KSSUKANCE METHODS KEFERENCES AND RODES

- observed above the RL in the associated mamples.
- G Marginal outlier within 1% of acceptance criteria.
- r RPD value is outside method acceptance criteria.
- C Poor RPD values observed due to the non-homogenous nature of the sample.
- 0 Sample required dilution due to matrix interference.
- D Sample reported from a dilution.
- d Spike and/or surrogate diluted.
- E The reported concentration exceeds the instrument calibration.
- F . The analyte is outside at limits and was not detected in any associated samples in the analytical batch.
- H Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
- See the subcontract final report for qualifier explanation.
- The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
- K High recovery will not affect the quality of reported results,
- Z See case narrative.

Explanation of Organic GC Outliers:

- e Method blank analysis yielded phthalate concentrations above the RL. Phthlates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- \$ Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
- Sample analysis yielded poor aurrogate recovery.
- R The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 60008.
- I The RPD between the two SC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
- X Gaseous compound, In-house QC limits are advisory.
- Y Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
- f Surrogate not associated with reported analytes.

Explanation of Inordanic QC Outliers:

- Q Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
- The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
- e Serial dilution failed due to matrix interference.
- g Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficent for the MSA 1s greater than or equal to 0.995.
- BOD/CBCD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
- l BOD/cBCD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
- # Spiked sample recovery is not within control limits.
- n Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.
- * Duplicate analysis is not within control limits.

Abbrevistions:

- Designation given to identify a specific extraction, digestion, preparation, or enalysis set. Batch
- Continuing Calibration Verification CCV
- Low level standard check GFAA, Mercury CRA
- Dil Fac Dilution Factor Secondary dilution analysis

QUALUAT ASSURANCE FETHODS

REFERENCES AND NOTES

Report Dates 07/09/2008

DLFec - Detection Limit Factor Dυ Duplicate Extraction Blank (TCLP, SPLP, etc.) 1 CAL - Initial Calibration ICB - Initial Colibration Blank ICV - Initial Calibration Verification I5A - Interference Check Sample A - ICP - Interference Check Sample B - ICP I SB LCD - Laboratory Control Duplicate LCS - Laboratory Control Bample MB Method Blank MD ~ Method Duplicate MDL Method Detection Limit NOL Method Quentitation Limit (TRRP)

MS Matrix Spike NSD Matrix Spike Duplicate ND Not Detected

PB Preparation Blank PREPE Praparation Factor Reporting Limit RL. RPD

Relative Percent Difference RRF Relative Response Factor ÞТ Retention Time

SOF Sample Quantitation Limit (TRRP) TIC - Tentatively Identified Compound

Method References:

- (1) EPA 600/6-79-020 Methods for the Analysis of Water and Wastes, March 1983.
 (2) EPA 600/R-94-111 Methods for the Determination of MEtals in Environmental Samples, Supplement 1, May 1994.
- 1994.

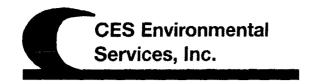
 EPA SW846 Test Nethods for Evaluating Solid Waste, Third Edition, September 1986; Update I July
 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December
 1996, Update IVA January 1998, Update IVB November 2000.

 Standard Nethods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989),
 18th Edition (1992), 19th Edition (1995), 20th Edition (1998).

 MACN Water Analysis Nandbook 3rd Edition (1997).

- (6) Federal Register, July 1, 1990 (40 CFR Part 136 Appendix A).
 (7) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.
- (9) Diagnosia and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.

Job Number: 356283	LABORATORY	C H R O N I C L E	te: 07/09/2008
CUSTOMER: Buchanan brivinghpantal Ass	ocietes radjec	PALNER PEAZA 208140	ATTNE Davig Bucharier
Lab ID: 356283-1 Client ID: MU-1 METHOD DESCRIPTION SW-846 8260B Volatile Organics	(25mL purge)	Oste Recyd: 06/27/2008 5ai RUN# BATCH# PREP BY #(\$ 1 400985	mple Date: 06/26/2008) DATE/TIME ANALYZED DILUTION 06/28/2008 0119 1.00000
Lab 10: 356283-2 Client 10: MW-2		Date Recvd: 06/27/2008 Sa	mple Date: 06/26/2008
METHOD DESCRIPTION		RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION
SW-846 8260B Volatile Organics	(25ml purge)	1 400985	06/28/2008 0149 1.00000
Lab ID: 356283-3 Client ID: My-3		Date Recvd: 06/27/2008 Sa	mple Date: 06/26/2008
METHOD DESCRIPTION		RUN# BATCH# PREP BT #(\$) DATE/TIME ANALYZED DILUTION
SW-846 8260B Volatile Organics	(25ml purge)	1 400985	06/28/2008 0219 1.00000
SW-846 82608 Volatile Organics	(25mL purge)	1 401071	06/30/2008 1632 10,0000
SW-846 82608 Volatile Organics	(25mL purge)	1 401071	06/30/2008 1703 500.000



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Gary Brauckman

Cc: Gary Lenertz, Gary Peterson, Bo Cumberland

Date: 04/23/08

From: Miles Root

Lab Memo: 08-069

Subject: Citation Evaluation Samples 0408-53 thru 56

Four samples from Citation, Lufkin, have been evaluated as potential receipts for processing at CES. These samples are as follows: containment water, 0408-53; oil, 0408-54; NDT fluid, 0408-55; and a sulfuric acid stream containing DMEA, 0408-56. Overall, we will be able to take all of the mentioned streams, processing them as described below.

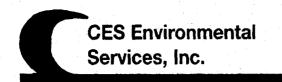
The containment water, evaluation 0408-53, according to the evaluation form, may have oil or hydrocarbons, but this sample does not. The water treats easily, has a low TOC, metals and phenols. Since this stream may arrive with hydrocarbons, any type of diesel, oil or gasoline that may come in with this water would need to be recycled.

The mixture of lube and mineral oils, evaluation 0408-54, is good looking light colored oil. This oil has an ash of only 0.05% with a chlor-d-tect of 200 ppm. A flash point of greater than 140 deg F and a density of 0.846 makes this a potentially good candidate for base oil.

The NDT fluid, evaluation 0408-55, contains approximately 33% recyclable oil. The neat sample appears to be an emulsion but breaks easily with just a little acid and essentially no heat. The oil separates out cleanly. The water phase treats easily. The water after treatment shows high copper that can be diluted with "good" water and processed. All of the other metals are okay. Phenols and TOC are also good. The oil has a density of 0.890 and can be blended into black oil without issues. The chlor-d-tect of only 100 ppm is very low.

The sulfuric acid stream containing DMEA, evaluation 0408-56, does not treat well. The initial pH of 1.3, when adjusted higher with lime forms a heavy sludge. Ammonia is also heavily liberated when this sample is pH adjusted with lime. The TOC on the water is 65,200, a rather high value, and to be expected. The metals are acceptable. There is a potential for receiving only 2-3 totes per month of the stream, so it can most likely be blended down with our other process water, if we can effectively handle the ammonia issue.

The table below is an analytical summary of the testing completed on the Citation evaluation samples.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/19/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2935

Expiration Date 8/19/2010

Generator: Weingarten at Citadel **Address:** 2600 Citadel Plaza Drive

Houston, TX 77008

Waste Information

Name of Waste: Soil

TCEQ Waste Code #: CESQ3191

Container Type:

Detailed Description of Process Generating Waste:

Sampling wells - any kind of contamination in soil is mainly dry cleaners

Color: dark

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Ath. Dan Mivan Rejed we do not recorde soil.

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Color:	DARK					_	Odor:		NONE				
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Does this i	material	cont	tain any	para subst	ituted	phenolic co	mpoun	de?	☐ Yes	. ☑ No			
Is the Was	te subie	ct to	the ben	zene waste	opera	tion NESH/	AP? (40	CFR F	Part 61, Subpa	art FF)	Yes	☑ No	
									acility is one of				
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2836		2836		2841	2842			2844		2861	2865	2869	
2873 3312		2874 4953		2876 4959	2679 9511			2892	2893	2896	2899	2911	
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ECTION 5: Safety Rel the handling of this wa NALYTICAL		use of spec	ial protecti	ve equipment,	please expla	ain.		

SECTION 6: Attached		this form as part of the	ha wanta	
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	, 200 0.44			
SECTION 7: Incompati Please list ALL incompat None Known				
	's Knowledge Documentation e hazardous waste characteristic generator knowledge:	s, listed below, WAS	NOT PERFORME	D -
TCLP Metals:				. 0
TCLP Volatiles:				
TCLP Semi-Volatiles:				. 0
Reactivity:				0
Corrosivity:				0
Ignitability:			·	0
my knowledge and ability properties exist and that		or willful omissions of nave been disclosed.	te to the best of compostion I certify that the	rtical data.
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ls this materi	eipt Classification Under 40 CFR 4 al a wastewater or wastewater sludg complete this section.	9.37 9.7	☐ YES	NO NO
PLEASE CH	ECK THE APPROPRIATE BOX. IF	NO APPROPRIATE C	ATEGORY, GO TO	THE NEXT PAGE.
Metal finishin	pplating baths and/or sludges ig rinse water and sludges			
Chromate wa				



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$35/dm
2.	Contamination Limits (maximum limit before surcharges apply):
	Non-Conforming-Reject
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
	None
5.	Treatment and Handling Protocol:
	Class 1 Solids to landfill
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na

2936 Jet Lube



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/21/2008

Dear George Mueller

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile #

2936

Expiration Date 8/21/2010

Generator: Jet Lube

Address:

4849 Homestead Road

Houston, TX 77226

Waste Information

Name of Waste: Line flushes

TCEQ Waste Code #: CESQ6091

Container Type:

Detailed Description of Process Generating Waste:

Nonhazardous sludge from flushing product lines

Color: varies

Odor: slight

pH: na

Physical State:

Incompatibilities: strong acids, strong oxidizers such as liquid chlorine, concentrated

oxygen, sodium hypochlorite, calcium hypochlorite, etc.

Safety Related Data/Special Handling:

std ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

DC

SRP. OK

CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461

ISWR Number: 30900

SECTION 1: Generator Information Company: Jet Lube 4849 Homestead Road Address: City: State: ΤX Zip: 77028 Houston George Mueller Contact: Title: Plant Manager 713-672-4685 **Phone Number:** 713-674-7617 Fax Number: 24/hr Phone Number: 281-989-8694 US EPA ID No: State ID No: SIC Code: NA **SECTION 2: Billing Information -**✓ Same as Above Company: Address: City: State: Zip: Contact: Title: **Phone Number:** Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: Line Flushes **Detailed Description of Process Generating Waste:** Non hazardous sludge from flushing product lines **Physical State:** Liquid Sludge **Powder** Solid Combination **Filter Cake** Color: varies Odor: slight Specific Gravity (water=1): .9-1.1 Density: 7.5-9.17 lbs/gal ✓ No Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? ✓ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes ✓ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2822 2824 2833 2834 2812 2813 2816 2819 2821 2823 2844 2861 2865 2869 2835 2836 2841 2842 2843 2851 2896 2879 2891 2892 2893 2899 2911 2873 2874 2876 3312 4953 4959 9511 Multi-phase Layers: Single-phase **Container Type:** ✓ Drum ☐ Tote ☐ Truck ☐ Other (explain) Frequency: Weekly Monthly Yearly One-Time Quantity:

		us Waste" per plete, sign and c			Yes		No Iched hereto		
If "Yes", Is Characterist	it:	D001 (Ignitabl	e)	=	☐ D006	D003 (Rea		□ D009	
Characterist	ic for Toxic O	organics: D012	t hru D043 (p	olease list al	l that apply)				
Is this an "F" or "K" Listed waste or mixed with one?									
40 CFR 261.3	33(e) or (f)?	luct or spill clea	□ Y	· · · · · · · · · · · · · · · · · · ·	a " U" or "P" wa No	ste code ur	nder		
Texas State	Waste Code	Number:		CESO	119001		-		
Proper US D	OT Shipping	Name:	Non RCRA N	lon DOT Re	gulated Waste	Sludge			
Class:	NA	UN/NA:	NA	PG:	NA	RQ:	NA		
Flash	Point	рН		Reacti	ve Sulfides	Reactive	Cyanides	Soli	ds
>1	.50	NA NA	\	NA	mg/l	NA	mg/i	50-75	%
Oil &	Grease	TO	С		Zinc Copper			Nic	kel
>1500	mg/l	NA	mg/l	NA	mg/l	NA mg/l		NA	mg/l
SECTION 4: Physical and Chemical Data COMPONENTS TABLE						l			
SECTION 4:			LE			CONCENT			UNITS
	COM			ıls		CONCENT Ranges are	RATOIN		
	CON e waste consi	IPONENTS TAB	wing materia	als			RATOIN		UNITS
	CON e waste consi	Sts of the follow	wing materia	als			RATOIN		UNITS
	CON e waste consi	Sts of the follow	wing materia	als			RATOIN		UNITS
	CON e waste consi	Sts of the follow	wing materia	als			RATOIN		UNITS
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	CON e waste consi	Sts of the follow	wing materia	als			RATOIN		UNITS
	CON e waste consi	Sts of the follow	wing materia	als			RATOIN		UNITS

If the handling of this w Standard PPE	ated Data vaste requires the use of special protective of	equipment, please explain.
SECTION 6: Attached S List all documents, note approval package.	Supporting Documents es, data and/or analysis attached to this form MSDS Sheets	n as part of the waste
SECTION 7: Incompatii Please list ALL incompa Strong acids, strong oxi hypochlorite, etc	-	oxygen, sodium hypochlorite, calcium
Laboratory analysis of t	's Knowledge Documentation the hazardous waste characteristics, listed b ing generator knowledge:	elow, WAS NOT PERFORMED
TCLP Metals:	x	
TCLP Volatiles:	X	
TCLP Semi-Volatiles:	X	
Reactivity:	X	
Corrosivity:	X	
Ignitability:	X	
igincabiney.		
SECTION 9: Waste Recei	pt Classification Under 40 CFR 437 (Prtaining to	Pre-Treatment Requirements for Centralized Waste Treatmen
Facilities)		
Is this mate	erial a wastewater or wastewater sludge?	☐ YES ✓ NO
If 'Yes'	, complete this section.	
D. 5405 O.U.	50V TUE 400000014TF DOV. 15 NO 40000014	TE CATEGORY CO TO THE MENT DAGE
PLEASE CHI	ECK THE APPROPRIATE BOX. IF NO APPROPRIA	IE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory : Su	boart A	
	troplating baths and/or sludges	
Metal finish	hing rinse water and sludges	
Chromate v		
	on control blow down water and sludges	
	lizing solutions n wastewaters	
☐ Waste liqui		
Cyanide-co	ntaining wastes greater than 136 mg/l	
	s and bases with or without metals	
_	insing, and surface preparation solutions from e	lectroplating or phosphating operations
	leburring wastewater d acid solutions used to clean metal parts or eq	uinmont
☐ Alkaline and	a acia solutions asea to clean metal parts of eq	uipinent
Oils Subcategory : Subpo	art B	
Used oils		
	emulsions or mixtures	
☐ Lubricants☐ Coolants		
=	ted groundwater clean-up from petroleum sour	ces
	leum products	
Oil spill clea	•	
Bilge water		
Rinse/wash	n waters from petroleum sources	

Interceptor Wastes
Underground storage remediation waste
Tank clean-out from petrolaum or olly sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Qcganles Subcategory: Subport C
Landfill leachate Contaminated groundwater clean-up from non-petrolaum sources
Solvent-bearing wastes
Off-specification organic product Still bottoms
Byproduct waste glycol
☐ Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources
(1) If the weste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
If the waste contains oll and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromlum: 8.9 mg/L
Copper: 4.9 mg/L
Nickel; 37.5 mg/L
(3)
If the waste contains oil and grease less than 200 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the valuer listed above, the waste should be classified in the organics subcategory.
Metals Subcategory
☐ Oils Subcategory ☐ Organics Subcategory
☐ ordings papers Rock
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oll and Greata, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The Information contained herein is based on generator knowledge and/or analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of composition
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials described by this document.
Authorized Signature: Stary Muella Date: 9/2/08 Printed Name/Title: GEORGE MUELLER PLANT MANAGER
Printed Name/Title: GEORGE MUELLER PLANT MANAGER
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Ω . ∞ . λ
Compliance Officer: Cobult 1
Date: 8-21-08
White and tentimes 7120

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials 🖊	Ranges are acceptable	or %
1200 Pale Base Ojl ✓	0-100	%
Hydrocal 100 √/	0-100	%
SUNPAR 2280 √	0-100	%
SR 130 √	0-100	%
Royal Purple Thermax Semi-Flyid Grease	0-100	%
#202 Moly Lith √/	0-100	%
ALCO-EP-73 PLUS √ /	0-100	%
Aluminum Complex Base Grease √	0-100	%
Artic Base ✓	0-100	%
CA Blue HT Grease √ /	0-100	%
Calcium Base Grease	0-100	%
Jet Lube CB-2 √ /	0-100	%
DYNAGUARD BLUE √ /	0-100	%
Jet Lube Food Grade Base∕/√	0-100	%
Jet Lube No. 33	0-100	%
JET-PLEX-EP √ /	0-100	%
Kiln Grease HT √/	0-100	%
KORR-Guard ♥ / /	0-100	%
Lithium Base Grease √ /	0-100	%
MARINE Multipurpose 🗸 📝	0-100	%
Marine Wire Rope and Hawser Grease ✓	0-100	%
MOLY EP 620 √	0-100	%
JET-LUBE NCS-30/√	0-100	%
XG-431 ✓ /	0-100	%
JET-LUBE C580 ECF ≯	0-100	%
CZ-EX PLUS ✓	0-100	%
DYNAGUARD E ✓	0-100	%
Fiber Grease ✓ /	0-100	%
Jacking System Grease 🏏 /	0-100	%
JET-LUBE NCS-30 ECF ✓ /	0-100	%
JET-LuBE Seal-Guard ECF ✓ /	0-100	%
Sulfonate Complex Base 🏑	0-100	%
Tensioner Grease	0-100	%
TF-15 Concentrate ✓ /	0-100	%
Royal Purple Synthetic Base 🗸	0-100	%
White Lithium Grease	0-100	%



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$45.00/drum disposal, \$70.00/hour freight

2. Contamination Limit (maximum limit before surchages apply):
None
3. Surcharge Pricing:
None
<u></u>
A Special Testing Descripements
4. Special Testing Requirements: None
5. Treatment and Handling Protocol:
Put in class 1 box; It naterial can process to Black oil or base oil then talk to the
oil processing manager.
, , , , , , , , , , , , , , , , , , , ,
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

NA	
8. Management for Product Recovered/Recycled (if app	olicable)
	olicable)
	olicable)
	olicable)
	olicable)
8. Management for Product Recovered/Recycled (if app	olicable)
	olicable)

R181 MSDS No.

AP0502

Material Safety Data Sheet

1200 PALE BASE OIL

HMIS Health Hazard *ñ Fire Hazard 1 Reactivity 0 = Chronic Health Hazard

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers, and users of this product.

This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accord with the MSDS requirements of the rule. **Protective Equipment**

SECTION 1: IDENTIFICATION

Trade Name

1200 Pale Base Oil

MSDS No.

AP0502

Product Number

1757417574

Revision Date 6/11/96

CAS Number

64742-52-5

Synonyms

1,200 SUS at 100°F Naphthenic Base Stock;

1200 Naphthenic Oil; 1200 Coastal Oil.

Generic Name

Severely Hydrotreated Heavy Naphthenic Distillate (Petroleum)

Chemical Family

Petroleum Hydrocarbons

Manufacturer

Lyondell Lubricants

Telephone

800/424-9300 CHEMTREC

12000 Lawndale Avenue

Numbers

800/313-7645 Company Hot Line

P.O. Box 2451

800/447-4572 Customer Inquiries 800/525-4692 MSDS Requests

Houston, Texas 77252-2451

SECTION 2: COMPOSITION

Component Name			Concentration Wt%
SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	64742-52 -5	Not applicable	EQ 100

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Signal Word

CAUTION

Color

Dark yellow to amber.

Physical State

Liquid.

Hydrocarbon lube oil.

Physical and Health

Odor

Hazards

May cause skin irritation and inflammation following extended contact! Potential

slipping hazard on smooth, hard walking area.

Environmental Hazards

Ecological effects testing has not been conducted on this product. If it were spilled, no

significant detrimental effects would be expected to occur.

POTENTIAL HEALTH EFFECTS

Routes of Exposure

Skin contact.

Signs and Symptoms of Acute Exposure

Inhalation

No significant adverse health effects are expected to occur upon short-term exposure.

· Eve Contact

No eye irritation is expected to occur from short-term exposure. This is based upon animal

test results for similar products with higher and lower viscosities.

· Skin Contact

No skin irritation is expected to occur upon short-term exposure. This is based upon animal

test results for similar products with higher and lower viscosities.

*** For "Disclaimer of Liability", see statement in Section Sixteen ***

Page Number: 1

1200 PALE BASE OIL MSDS No. AP0502

· Ingestion

Ingestion is unlikely. If swallowed, no significant adverse health effects are expected to occur

from short-term exposure; however, it might cause a laxative effect.

Chronic Health Effects

Summary

Prolonged and/or repeated contact may produce minimal to mild skin irritation and

inflammation. See Section 11.

Conditions Aggaravated

by Exposure

Personnel with pre-existing skin disorders should avoid contact with this product.

Target Organs

Skin.

Carcinogenic Potential

Please refer to Section 2 for the identification of components, if any, which have been

identified as having carcinogenic potential.

SECTION 4: FIRST AID MEASURES

Inhalation Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under anticipated conditions of use. In case of overexposure, move the

person to fresh air.

Eve Contact Flush eves with clean, low-pressure water for at least 15 minutes, occasionally lifting the

upper and lower eyelids. If pain or redness persists after flushing, obtain medical attention.

Skin Contact Remove by wiping the oil off the skin; and then, wash skin thoroughly with plenty of mild soap

and water. Remove contaminated clothing and thoroughly clean it before reuse. Discard

contaminated leather gloves and shoes.

Ingestion Swallowing less than a half-cup is not expected to cause harm. If any larger volume of this

Slightly Combustible! OSHA/NFPA Class-IIIB Combustible Liquid.

product is swallowed and the patient is conscious and alert, give quantities of water and induce vomiting. If irritation, discomfort, or vomiting occurs, immediately obtain medical

attention.

Notes to Physician

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flammability

Classification

AP 390° to 420°F (200° to 215°C) by ASTM D-92.

Flash Point/Method
Flammable Limits %

LEL: AP 1.0

UEL: AP 7.0

(At or approaching the Flash Point.)

Auto-Ignition Temperature

AP 750°F (400°C) (Estimated)

Hazardous

Combustion Products

Burning or excessive heating may produce smoke, Carbon Monoxide, Carbon Dioxide, and

possibly other harmful gases/vapors.

Special Properties

When heated above its flash point temperature, this material will release flammable vapors which, if exposed to an ignition source, can burn in the open or be explosive in confined spaces. Mists or sprays may be flammable at temperatures below the flash point.

EXTINGUISHING MEDIA

SMALL FIRE: Use dry chemicals, Carbon Dioxide (CO2), foam, water fog, or inert gas (Halon or Nitrogen). LARGE FIRE: Use water fog, waterspray, or foam. Foam and water are effective but may cause frothing. NEVER use a water jet because it may spread the fire to a larger area.

FIRE FIGHTING INSTRUCTIONS

For fires involving this material, do not enter any enclosed or confined fire space without proper protective clothing and respiratory protective equipment. This may include supplied air or a NIOSH/MSHA-approved self-contained breathing apparatus (SCBA) to protect against the hazardous effects of combustion products and/or Oxygen deficiencies. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify the appropriate authorities if liquid(s) enter sewers or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spills

Contain spill and prevent it from entering all bodies of water, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate area due to slipping hazard. Maximize product recovery for reuse or recycling. Absorb spill with inert material (e.g., dry sand, earth, or other non-combustible absorbents) and place in a chemical waste container for later disposal. In urban areas, cleanup spill as soon as possible; in natural environments, cleanup on advice from ecologists. This material will float on water. Absorbent pads and similar materials can be used. The spilled material and any soil or water which it has contacted may be hazardous to animal and/or aquatic life. Comply with all laws and regulations.

Large Spills

Secure the area and control access. Verify that responders are properly HAZWOPER-trained and wearing appropriate protective clothing/equipment, including organic respirators or supplied air. Dike far ahead of a liquid spill to ensure complete collection. Pick up free liquid for recycle and/or disposal if it can be accomplished safely. All spills into U.S. navigable waterways need to be reported to the National Response Center (800/424-8802).

SECTION 7: HANDLING and STORAGE

THE MILE FOR THE BOOK OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE ST

Handling

Remove spillage immediately from hard, smooth walking areas. Avoid oxidizing agents. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated breathing of mist. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Prevent contact with food, chewing, or smoking materials. Do not take internally.

Storage

Keep container tightly closed. Keep it in a dry, cool, well-ventilated place. Combustible materials should be stored away from extreme heat, radiation sources, and strong oxidizing agents. DO NOT puncture, incinerate, or store containers at temperatures above 120°F (49°C) or in direct sunlight.

To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures (GT 200°F.) should be minimized. Product degradation might increase health hazard risks.

SECTION 8: EXPOSURE CONTROLS and PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the pertinent exposure limits (see below.). Ensure that an eyewash station and safety shower are near to the work-station location.

PERSONAL PROTECTIVE EQUIPMENT

• Protective Equipment



· Eye Protection

Safety glasses should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely, especially if material is heated above 125°F (or 51°C). Have suitable eye wash water available.

· Skin Protection

Gloves (disposable, Vinyl, Nitrile, or Neoprene). Avoid skin contact or wear impervious - Hands

protective clothing. Before eating, drinking, smoking, use of toilet facilities, or leaving work,

wash hands with plenty of mild soap and water.

- Body If conditions (splashing or spraying) present potential for exposure, clean and impervious

> protective clothing (Neoprene or Tyvek) such as long sleeves, apron, or lab coat should be worn. When handling heated material, also be sure to wear heat-resistant gloves and boots. If significant contact occurs, promptly take a shower. Remove oil-soaked clothing as soon as

possible and launder thoroughly before reuse. Discard contaminated leather gloves/shoes.

• Respiratory Protection None is needed under anticipated use conditions with adequate ventilation. If exposure

approaches or exceeds the occupational exposure limits shown below, wear proper

NIOSH/MSHA-approved vapor control respiratory equipment.

· General Comments Since specific exposure standards/control limits have not been established for this product, the

"Oil Mist, Mineral" exposure limits shown below are suggested as minimum control guidelines.

EXPOSURE GUIDELINES

Vapor Specific Gravity

Substance	Source	Date	Туре	Value	Time
OIL MIST, MINERAL	OSHA	1989	PEL	5 mg/M3	8 Hours
OIL MIST, SEVERELY-REFINED MINERAL	ACGIH	1995	TLV	5 mg/M3	8 Hours

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid.

Color Dark yellow to amber.

Odor Hydrocarbon lube oil.

pH Not applicable.

Vapor Pressure LT 0.1 mm of Hg at 70°F. Viscosity AP 1,100 to 1,350 SUS at 100°F.

(ASTM D-2161)

Melting/Freezing Pt. LT 10°F (-12°C) (ASTM D-97)

Solubility in Water Volatile Characteristics Negligible (LT 0.1 Wt.%) Negligible (LT 0.1 Wt.%)

Boiling Point/Range GT 625°F (330°C) (ASTM D-86) Specific Gravity AP 0.92 to 0.94 (ASTM D-1250)

Additional Properties Viscosity Index = AP 35 (ASTM D-2270);

GT 10 when Air = 1.0 at 70°F.

Average Calculated Density = AP 7.768 lbs./gal.;

Kinematic Viscosity = AP 200 to 250 cSt at 40°C (and 12 to 14 cSt at 100°C) (ASTM D-445);

Saybolt Viscosity = AP 70 to 80 SUS at 210°F (ASTM D-2161); Aniline Point Temperature = AP 190°F (88°C) (ASTM D-611):

Sulfur Content = LT 0.20 Wt.% (ASTM D-2622).

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability Stable.

Conditions to Avoid Extreme heat and open flame.

Incompatibility with Other Materials

Strong acids, alkalies, and oxidizers such as liquid Chlorine and Oxygen.

Hazardous Burning or excessive heating may produce smoke, Carbon Monoxide, Carbon Dioxide, and

Decomposition Products possibly other harmful gases/vapors.

Hazardous

Not expected to occur.

Polymerization

SECTION 11: TOXICOLOGICAL INFORMATION

Under normal anticipated conditions of use, this product should not present a risk to human health.

High-viscosity, Severely Hydrotreated Heavy Naphthenic Distillates:

GAS (LC50): Acute: GT 5.0 mg/L (Rat screen level).

ORAL (LD50): Acute: GT 5,000 mg/kg (Rat screen level).

DERMAL (LD50): Acute: GT 2,000 mg/kg (Rabbit screen level).

DRAIZE EYE: Acute: Non-irritating (Rabbit).
DRAIZE DERMAL: Acute: Non-irritating (Rabbit).
BUEHLER DERMAL: Acute: Non-sensitizing (Guinea Pig).

28-Day DERMAL: Sub-Chronic: Minimal to mild skin irritant (Rabbit). 104-Week DERMAL: Chronic: No skin tumors at site of application (Mouse).

MUTAGENICITY:

modified Ames Assay: Negative (Salmonella typhimurium).

in-vitro SCE Ovary Assay: No toxicity = no test (Chinese Harnster).

in-vitro Lymphoma Assay: Negative or no toxicity (Mouse).

The International Agency for Research on Cancer (IARC), one of the Occupational Safety and Health Association's (OSHA) authorities for establishing carcinogenic potential, has specifically evaluated Naphthenic Oils. IARC found that Mildly Hydrotreated (Hydrofinished) Naphthenic Oils are carcinogenic to laboratory animals. IARC has NOT found Severely Hydrotreated Naphthenic Oils to be carcinogenic. This product is classified as Severely (Not Mildly) Hydrotreated under both IARC and OSHA definitions.

Lifetime mouse skin painting studies indicated this product is NOT mutagenic or carcinogenic.

SECTION 12: ECOLOGICAL INFORMATION

Ecological effects testing has not been conducted on this product. If it were spilled, no significant detrimental effects would be expected to occur.

Petroleum-based oils will normally float on water. If the oil layer covers a large area, especially in stagnant or slow-flowing waterways, the dissolved Oxygen content of the water may be depleted over time and lead to adverse effects on fish and other aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

Maximize product recovery for reuse or recycling. Conditions of use may cause this material to become a "hazardous waste", as defined by state or federal laws. Use approved storage, treatment, transporters, and disposal sites in compliance with all applicable regulations. If spill is introduced into a wastewater treatment system, chemical and biological oxygen demand will likely increase. Spill material is biodegradable if gradually exposed to microorganisms, preferably in an aerobic environment. Potential treatment and disposal methods include land farming, incineration, and land disposal, if permitted.

SECTION 14: TRANSPORT INFORMATION

DOT Status Not a U.S. Department of Transportation regulated material.

Proper Shipping Name Not a D.O.T. "Hazardous Material".

Hazard Class Not regulated.

UN/NA ID Not applicable. Packing Group(s) Not applicable.

Reportable Quantity Not applicable.

Part of the Law Law

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1200 PALE BASE OIL

MSDS No. AP0502

Placards



Emergency Response Guide Number

MARPOL III Status

Not applicable.

HAZMAT STCC Number Not applicable.

Not applicable.

SECTION 15: REGULATORY INFORMATION

TSCA All components of this product are listed on the Toxic Substance Control Act (TSCA) inventory.

SARA 304 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires

emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). No chemical components present in this product exceed the de minimus reporting level

established under this statute.

SARA 311/312 The Superfund Amendments and Reauthorization Act of 1989 (SARA) Title III requires

facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This product would be classified under the following

hazard categories:

Delayed (Chronic) Health Hazard

SARA 313 The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires

submission of an annual "Toxic Chemicals" Release Inventory report under 40 CFR 372. Chemical substances that must be accounted for under SARA Section 313 must also be identified in all product MSDSs that are impacted by the regulation. No chemical components present in this product exceed the de minimus reporting level established under this statute.

CERCLA The Comprehensive Environmental Response, Compensation, and Liability Act of 1980

(CERCLA) requires notification of the National Response Center concerning release of quantities of "Hazardous Substances" equal to or greater than the Reportable Quantities (RQs) listed in 40 CFR 302.4. No chemical components present in this product are subject to

the reporting requirements under this statute.

California Proposition 65 Per the California Safe Drinking Water and Toxics Enforcement Act of 1986, this product

DOES NOT contain any known ingredients for which the State of California has found to cause cancer, birth defects, or other reproductive harm, which requires a warning under the statute.

Additional Regulatory

Remarks

No additional comments.

SECTION 16: OTHER INFORMATION

HMIS (U.S.A.)

Health Hazard	*0
Fire Hazard	1
Reactivity	0

= Chronic Health Hazard

National Fire Protection Association (U.S.A.)



DISCLAIMER OF LIABILITY

1200 PALE BASE OIL

"The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied regarding its correctness.

Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself.

The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable."

REVISION INFORMATION

Version Number

08

Revision Date

6/11/96

Revision History

Converted to ANSI 16-section format on 6/11/96.

Additional comments were incorporated into all Sections of this MSDS.

Print Date

Printed on 6/20/96.

ABBREVIATIONS

EQ = Equal LT = Less Than

GT = Greater Than

AP = Approximately

NA = Not Applicable

ND = No Data

***** END OF MSDS ****

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MSDS Document

Product Hydrocal 100

1. Chemical Product and Company Identification

Trade Name of this Product Hydrocal 100

Aneric oil

Synonyms:

1120-00

MSDS ID 1120-00

Manufacturer

Calumet Lubricants Company 2780 Waterfront Pkwy E. Suite 200 Indianapolis, IN 46214 Contact Name
Anne Goldsmith
Phone Number

(317) 328-5660

Emergency Phone CHEMTREC (800) 424-9300

Revision Date 02/03/03



2. Composition and Information on Ingredients

Ingredient Heavy Hydrotreated Naphthenic Distillates (petroleum) **CAS Number** Weight % 64742-52-5 100.0 %

ACGIH TLV

PEL

STEL

3. Hazard Identification

Hazards

This product is a clear, pale-straw to water-white, viscous liquid. It has a light petroleum odor.

This product is slightly combustible (Flammability Class IIIB) but will burn. Heated product will produce colorless vapors. Heated vapors in the presence of an ignition source can be explosive if confined. When burned, the product will produce carbon monoxide and other asphyxiants during combustion.

Prolong unprotected exposure to this product will cause skin irritation. Material splashed in

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eyes will irritate tissues. Gently flush material from eyes with clean water. Remove product soaked clothing and wash with mild soap.

As with any petroleum product, avoid mixing this product with strong oxidizers.

Carcinogen listed by: National Toxicology Program (NO)

I. A. R. C. (NO)

OSHA (NO)

ACGIH (NO)

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

4. First Aid Information

First Aid Measures

EYES

If splashed into eyes, flush with clear water for 15 minutes or until imitation subsides. If imitation persists, call a physician.

SKIN

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. Prolonged or repeated skin contact may cause skin irritation.

INGESTION

Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

INHALATION

Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If overexposed to oil mist, remove from exposure until excessive oil mist condition subsides.

5. Fire Fighting Measures

Flash Point FP Method

> 320 F

ASTM D92

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Fire Fighting

FIRE AND EXPLOSION HAZARDS

Slightly combustible. OSHA/NFPA Class IIIB Combustible Liquid. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oils normal flash point. Keep away from extreme heat or open flame.

EXTINGUISHING MEDIA

Foam, water spray (fog), dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents mat all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

FLAMMABLE PROPERTIES

FLASH POINT: >320°F >160°C COC ASTM D92 AUTO IGNITION: >650°F >343°C FLAMMABILITY CLASS: IIIB

6. Accidental Release Measures

Release Measures

Extinguish any open flames and remove heat sources.

This material will float on water and will be transported by stormwater runoff. Spills to the ground should be immobilized and removed immediately. Spills to watercourses such as stormdrains, sewers, ditches, streams, ponds, etc. must be contained with dikes, dams, floating booms, pads, etc. as appropriate. Remove trapped product immediately.

Spills that enter a waterbody must be immediately reported to the USEPA's National Response Center at (800)546-2972.

Check with your local and state regulators regarding their reporting requirements.

Cleanup personnel should wear appropriate personnel protective equipment including impervious clothing, rubber boots, gloves, and splash goggles.

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7. Handling and Storage

Handling and Storage

HANDLING AND STORAGE PRECAUTIONS

Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIB storage. Wash thoroughly after handling.

WORK/HYGIENIC PRACTICES

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

"EMPTY" CONTAINER WARNING

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

8. Exposure Controls and Personal Protection

Exposure/PPE/Heavy

VENTILATION

Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

EYE/FACE PROTECTION

Use safety glasses or splash goggles when eye contact may occur. Have sultable eye wash water available.

SKIN PROTECTION

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton.

RESPIRATORY PROTECTION

Normally not required if adequate vertilation. If occupational exposure limits are exceeded wear NIOSH/MSHA approved apparatus.

OTHER/GENERAL PROTECTION

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If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

CONCEN

TRATION

INGREDIENT NAME BY VOLUME

EXPOSURE LIMITS

PERCENT

Heavy Hydrotreated Naphthenic Distillates (petroleum)

CAS NUMBER: 64742-52-5 Exposure Limits: OIL MIST

OSHA PEL MIST 5 MG/M3 8 HRS ACGIH TLV MIST 5 MG/M3 8 HRS

9. Physical and Chemical Properties

Product CAS Number

64742-52-5

Specific Gravity

0.8972

Density lbs/Gal

7.49

Molecular Weight

320

APPEARANCE: Clear, pale straw to water white, viscous liquid

PHYSICAL STATE: Liquid

BOILING POINT: IBP >526°F >274°C (D1160)

MELTING POINT: -60°F -51°C (D97)

VAPOR PRESSURE: <0.001 mm Hg @ 20°C

VAPOR DENSITY (AIR=1): >5

SPECIFIC GRAVITY: 0.8972 Water = 1

MOLECULAR WEIGHT: 320.00 SOLUBILITY (H2O): negligible

VISCOSITY: 108.2 SUS @ 100°F

Physical data may vary slightly to meet specifications.

10. Stability and Reactivity

Stability/Reactivity

STABILITY: Stable. Will not react violently with water.

CONDITIONS TO AVOID

Sources of ignition.

INCOMPATIBLE MATERIALS

Strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion may produce carbon monoxide and other asphyxiants.

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HAZARDOUS POLYMERIZATION: will not occur

11. Toxicological Information

Toxicological

ACUTE STUDIES

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

EYE EFFECTS

Product contacting the eyes may cause eye imitation.

SKIN EFFECTS

Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "comosive" nor an "irritant" by OSHA criteria.

ACUTE ORAL EFFECTS

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

ACUTE INHALATION EFFECTS

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.

12. Ecological Information

Ecological Info

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F (21°C).

13. Disposal Considerations

Disposal

Product, as supplied, does not meet the characteristics of a hazardous waste as defined in

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40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill without prior solidification. Waste product should be recycled. Consider waste brokering.

14. Transportation Information

Transport Info

PROPER SHIPPING NAME: Not regulated by DOT

HAZARD CLASS: Not applicable DOT IDENTIFICATION NUMBER: N/A

DOT SHIPPING LABEL: Not regulated by DOT

15. Regulatory Information

Compliance

U.S. FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity: NOT APPLICABLE

SARA 304 Reportable Quantity: NOT APPLICABLE

SARA 311 Categories: Immediate (Acute) Health Effects -- N

Delayed (Chronic) Health Effects -Y -N

Fire Hazard

Sudden Release of Pressure --N -N

Reactivity Hazard

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION

No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

EUROPEAN (ECC) REGULATORY INFORMATION

This product is listed on the European Inventory of Existing Commercial Substances.

CANADIAN REGULATORY INFORMATION

This product is listed on the Canadian (DSL) Domestic Substances List.

WHMIS Classification: NOT CONTROLLED

EINECS/265-146-1

This product is listed on the European Inventory of Existing Commercial Substances under EINECS No. 265-146-1. This Product has an IP 346 value of <3%. This product is not required to be labeled according to the European Directive 67/548/EEC.

16. Other Information

Disclaimer

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).

Supercedes MSDS dated: 07/12/2001

Revisions:



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name:

SUNPAR 2280

Manufacturer information:

Sunoco, Inc. (R&M) 1735 Market Street LL

Philadelphia, Pennsylvania, 19103-7583

Product Use:

Process Oil

Emergency Phone Numbers:

Chemtrec

(800) 424-9300

Sunoco Inc.

(800) 964-8861

Information:

Product Safety Information

(610) 859-1120

2. COMPOSITION/INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSUR				CAS No.	Amount (Vol%
	SIDU	UM		64742-01-4	100 - 100
EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSUR	SIDU	UM		64742-01-4	100 -
	ioù:	15 EOR ADD	ITIONAL EV	ADUSTIBLE I IMI	TCI
CAS No. Governing Body Expos		10 FOR ADD	HIONAL EX		15)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Warning! Heated material may cause injury.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	<u>Health</u>	<u>Fire</u>	Reactivity	<u>PPI</u>
NFPA	0	1	0	
HMIS	0	1	0	X

POTENTIAL HEALTH EFFECTS

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

The following diseases or disorders may be aggravated by exposure to this product: skin,

INHALATION

No acute effects expected.

R00000021800, SUNPAR 2280 03/28/08 LC50 (ma/l):

no data

LC50 (mg/m3):

no data

LC50 (ppm):

no data

Practically non-toxic if absorbed through the skin. Substance may cause slight skin irritation. Contact with heated product may cause thermal burns.

Draize Skin Score: no data

Out of 8.0

LD50 (ma/ka):

no data

EYES

Contact with product at elevated temperatures can result in thermal burns.

INGESTION

Practically non-toxic if ingested.

LD50 (g/kg):

no data

4. FIRST AID MEASURES

INHALATION

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough of other symptoms develop.

Wash with soap and water for 20 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse. For contact with heated product, flush immediately with plenty of cool water for at least 20 minutes. Get medical attention.

EYES

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. For contact with heated product, flush immediately with plenty of cool water for at least 20 minutes. Get medical attention,

INGESTION

Material is practically non-toxic. Induction of vomiting is not required. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray; Regular foam; Dry chemical; Carbon dioxide;

FIRE FIGHTING INSTRUCTIONS

Wear structural fire fighting gear. As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point				561 MINIMUM COC	F	N/A
Autoignition Temperature		<u> </u>		no data	F	N/A
Lower Explosion Limit				no data	%	N/A
Upper Explosion Limit		1		no data	%	N/A

6. ACCIDENTAL RELEASE MEASURES

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. In Canada, advise the Ministry of the Environment, if required.

7. HANDLING AND STORAGE

HANDLING

Wash thoroughly after handling.

STORAGE

NFPA class IIIB storage. Flash point is greater than 200 degrees F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

ENGINEERING CONTROLS

No special ventilation requirements.

PERSONAL PROTECTION

EYE PROTECTION

Splash proof chemical goggles or full face shield recommended to protect against splash of product,

GLOVES or HAND PROTECTION

Protective gloves are recommended when prolonged skin contact cannot be avoided.

RESPIRATORY PROTECTION

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment, Respiratory protection is not usually needed unless product is heated or misted. Half-mask air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA.

OTHER

Remove contaminated clothing and wash before reuse. No special protection is normally needed for non-fire emergencies.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		N/A	DARK VISCIOUS FLUID	
Boiling Point		F	no data	
Bulk Density		lb/gal	no data	<u> </u>
Melting Point		F	no data	
Molecular Weight		g/mole	no data	
Octanol/Water Coefficient		N/A	no data	
рН	-	N/A	no data	
Specific Gravity	0.89	N/A		il.
Solubility In Water		wt %	NIL	
Odor	<u> </u>	N/A	LITTLE .	
Odor Threshold		ppm	no data	
Vapor Pressure	<u> </u>	mmHg	< 0.0001	@ 20 C

Viscosity (F)	2582	SUS		@ 100 F
Viscosity (C)	481	CsT		@ 40 C
% Volatile		wt %	NIL	

10. STABILITY AND REACTIVITY

STABILITY

Stable

CONDITIONS TO AVOID

Avoid heat, sparks and open flame.

INCOMPATIBILITY

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.

HAZARDOUS POLYMERIZATION

Will not polymerize.

11. ECOLOGICAL INFORMATION

No data available

12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. In Canada, follow federal, provincial and local regulations. This material is not a RCRA hazardous waste, if not contaminated. If material has been "used", RCRA criteria (ignitability, reactivity, corrosivity and toxicity) must be determined. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

13. TRANSPORT INFORMATION

Governing Body DOT	Mode Ground	Proper Shippir Petroleum Lubr			<u></u>
Governing Body DOT	Mode Ground	<u>Hazard Class</u> N/A	<u>UN/NA No.</u> N/A	<u>Label</u> Not Regulated	

14. REGULATORY INFORMATION

Regulatory List	Component	CAS No.
Inventory - Australia (AICS)	SEVERELY SOLVENT	64742-01-4
* *	REFINED RESIDUUM	J.
Inventory - Canada - Domestic Substances List	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	
Inventory - China	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	
Inventory - European EINECS Inventory	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	
Inventory - Korea - Existing and Evaluated	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	
Inventory - Philippines Inventory (PICCS)	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	
Inventory - TSCA - Sect. 8(b) Inventory	SEVERELY SOLVENT	64742-01-4
	REFINED RESIDUUM	

Title III Classifications Sections 311,312:

Acute: NO
Chronic: NO
Fire: NO
Reactivity: NO

• Sudden Release of Pressure: NO

15. OTHER INFORMATION

This product is severely solvent-refined, contains less than 3% polycyclic aromatics by IP 346, and does not require chronic hazard warnings. Follow all MSDS/label precautions even after container is emptied because it may retain product residue. Limits for the product-5mg/m3, Oil Mist Limit, (OSHA PEL/ACGIH TLV) WHMIS Classification: not controlled. Please refer to the material safety data sheet for complete information.



C.01/ 2-26-08

Naphthenics Safety Data Sheet

2002-05-08

SAFETY DATA SHEET

Health, Environment & Safety Datasheet

1. Identification of the Substance/Preparation and the Company/Undertaking

Product Name:

SR 130

Product Type:

Base Oil

Supplier:

Nynäs Naphthenics AB

P.O. Box 10701

S-121 29 STOCKHOLM, Sweden

Telephone No.:

+46-8-602 1200 Fax: +46-8-81 62 02

Emergency Phone No.:

+46-8-33 70 43

2. Composition/Information of Ingredients

Chemical Name:

CAS No.:

EEC No.: Conc %: Symbols/Phrases

Solvenrefined Heavy

64741-96-4 265-097-6 100

Naphthenic Distillate.

3. Hazards identification

Classification:

No classification needed according to 67/548/EC and

1999/45/EC.

Human health:

Inhalation of vapours and/or mists might irritate

respiratory tract. Prolonged skin contact will cause defatting and possible irritation. Eye contact might

cause irritation.

Environment:

Slow biodegradation, the product will remain for long

time in the

Physical and chemical

At elevated temperatures flammable vapours and

hazard:

decomposition products will be released. Risk for

slippery floors if spilled out.

4. First Aid Measures

Inhalation:

If inhalation of mists, fumes or vapours occur causing

irritation.

Skin contact:

Remove immediately adhering matter and wash off

with soap and

Eye contact:

Rinse with plenty of water.

Ingestion:

Clean mouth with water. Obtain medical advice if a

large amount has been swallowed. Do not induce

vomiting.

5. Fire-fighting Measures

Suitable extinguishing

media:

Extinguish preferably with dry chemical, carbon dioxide(CO₂), or foam. Waterspray/mist may be used.

Extinguishing media safety reasons:

Water jet, unless used by authorised people. (Stain or risk caused by which must not be used combustion).

6. Accidental Release Measures

Personal precautions:

Suitable protection equipment should be used. In case of large spillage, the cleaning procedure should be carried out using suitable protective clothing such as overall, gloves and boots. Remove contaminated clothes as soon as possible. Smaller spillage can be wiped up with paper cloths, using protective gloves.

Environmental pre-cautions: Prevent spills to enter and spread to drains, sewers,

water courses, and soil. Contact local safety

authorities.

Methods for cleaning up:

Absorb leaking product with sand, earth or other

suitable inert

7. Handling and Storage

Handling:

Handle in accordance with good industrial hygiene

and safety practices. If handled at elevated

temperatures or with high speed

Storage:

Store at ambient temperature or with lowest necessary

heating as handling requires.

8. **Exposure Controls/Personal Protection**

Control parameters:

Exposure via the air and normal handling.

Chemical name:

Mineral oil.

Short term value:

to reduce exposure:

Engineering measures

 5 mg/m^3 . TLV-TWA 8 hours ACG1H (1998). Mechanical ventilation and local exhaust will reduce

exposure via the air. Use oil resistant material in construction of handling equipment. Store under recommended conditions and if heated, temperature

control equipment should be used to avoid

overheating.

Personal protection

equipment:

Respiratory protection:

If the product is heated under manual handling, use

suitable mask with filter A1P2 or A2P2. Handling in automatic production lines, with exhaust or

ventilation, will not require mask.

Hand protection:

Wear oil-resistant protective gloves if there is a risk of repeated skin contact. Suitable gloves are neoprene,

nitrile- or acrylnitrilebutadiene rubber, or PVC. Take notice of CEN 420:94, CEN 374:1-3:94 and CEN

•Eye protection:

Wear safety goggles / safe shield if splashes may

·Skin and body protec-

contact and change

tion:

Wear protective clothing if there is a risk of skin

them frequently, or when contaminated.

Hygienic measures:

safety practice.

Act in accordance with good industrial hygiene and

9. Physical and Chemical Properties

Form:

Viscous liquid.

Colour:

<1.5, yellow

Odour:

Odourless / light petroleum

Melting point/pour point:

-27°C

Initial boiling point:

>250°C

EPAHO106000685

388:94.

Density at 15°C:

 908 kg/m^3

Flash point, PM:

228°C

Auto ignition temp.:

>270°C

Solubility in water:

Non soluble.

Solubility in organic

solvents:

Soluble

Decomposition temp.:

>280°C

Vapour pressure at 100°C:

160 Pascal

Calculated partition coefficient n-octanol/

water, log Pow:

>6

144 cSt

Viscosity at 40°C: DMSO extractible compounds

according to IP 346:

< 3%

pH:

non relevant

10. Stability and Reactivity

Stability:

Stable at normal conditions. Start to decompose at

280°C or higher.

Avoid:

Excessive heating and highly oxidizing agents.

Hazardous decomposition products:

Flammable gases which might also be noxious. With air present, there is a risk for auto ignition at

temperatures

>270°C.

11. Toxicological Information

Acute toxicity:

Studies available indicate oral and dermal LD₅₀ s of

>5 000 mg/kg

which is considered as low acute toxicity.

Inhalation:

Prolonged and repeated inhalation of mist of vapour

generated

at elevated temperatures may irritate respiratory tract.

Oral:

May cause nausea and eventually vomiting and

diarrhoea.

Skin contact:

Prolonged or repeated exposure may lead to defatting

of the skin

and subsequent irritation.

Eye contact:

May cause redness and transient pain.

Sensitisation:

Studies indicate no evidence of sensitisation.

12. Ecological Information

Mobility:

Low, due to low water solubility.

Persistence/degrad-

The baseoil is not readily biodegradable. Substances

may not meet

adability

criteria for ready biodegradability. Studies indicate

inherent, primary

biodegradation in the range of 20-60 % based on

carbondioxide

evolution.

Bio-accumulation:

Base oil has Log P_{OW} in the range >3.9->6.0.

Log P_{OW} is used for estimating the bioacccumulation

in fish. A value

> 3,0 indicates possible bioaccumulation. The size of

the hydrocarbon

molecules reduces the risk for bioaccumulation.

Ecotoxicity:

Aquatic toxicity data on base oils indicate LC₅₀

values of >1 000

shows no long-term hazard to the aquatic

environment.

13.

.....

Disposal Considerations

Residues of unused product is not regarded as hazardous waste. Residues of products/packageing

must not be disposed of in the environment, but taken care of in accordance with local regulations.

Emptying instructions:

Barrels and equals: Turn the barrel upside down and tilt it approximately 10° until nondripping.

Nondripping is less than one drop / minute at 15 °C. The product viscosity depends on temperature,

and it is important that the emptying not is done at to low temperature.

It can be necessary to scrape out highviscous products.

When the barrel is nondripping send it for recycling. If the residue volume is more than 1% send

mg/l, w

it for destruction of barrels. Empty barrels with < 1 % residue is not dangerous goods. Notify

local regulations.

Bags for one way use/multiple use: Follow instructions given by the bag manufacturer. The last

residues in the bag can be removed by placing the hose over the remaining residues or by lifting

the bag so the product can run towards the hose.

Bottom residues; roll up the bag towards the hose to press out the oil

One way bags of polyethylene can be recycled or disposed of by incineration. Notify local

regulations.

14. Transport Information

The product is not classified as hazardous goods for land, sea and air transport according to the

respective regulations (ADR, IMDG, IATA-DGR).

15. Regulatory Information

Classified according to European directives on classification of hazardous substances and

preparations. Not classified as hazardous. No statutory label required.

Listed in TSCA (Toxic Substances Control Act) and EINECS.

16. Other Information

The information for labelling and ecotoxicity is according to Concawe Report No. 95/59, 98/54

01/53 and 01/54.

Classified according to the Dangerous Substance Directive, 67/548/EC up to the 28th ATP, the

Dangerous Preparation Directive 1999/45/EC, and the Safety Data Sheet Directive 2001/58/EC

The product is not classified as R 65 due to the exemption rule in the 22nd ATP of 67/548/EC.

The product has surface tension >33 mN/m at 25°C.

Product have DMSO extractible compounds according to IP 346 <3%.

Updated according to DSD, DPD and SDSD as above. Latest update: 2002-06-30

Replacing revision date: 2000-09-01

Changes to previous version: Hazards Identification

Fire fighting measures

Exposure controls/ Personal protection

Physical and Chemical properties

Ecological information

Disposal Considerations

Regulatory Information

Other Information.

Notes from 28th ATP of Dangerous Substances Directive:

Nota L

____The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 w%w

DMSO extract as measured by IP 346. This Nota applies only to certain complex oil-derived substances in Annex 1.

Nota N

The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the

substance from which it was produced is not a carcinogen. This Nota applies only to certain complex oil-derived substances in Annex 1.



MATERIAL SAFETY DATA SHEET

4849 HOMESTEAD ROAD / P.O. BOX 21258 / HOUSTON, TEXAS 77226 / 713/674-7617 / TELEX 775393

HMIS/NFPA Health: Personal Protection Index: N/A Fire: 1 Reactivity: 0

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: ROYAL PURPLE THERMAX SEMI-FLUID GREASE

Chemical Family: Synthetic lubricating grease.
Use: Equipment lubrication.

Use:

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-1224011-44-1628-31913 (England) (403) 463-74-011-44-1224-211330 (U.K.) (403) 463-7441 (Canada)

(800) 424-9300 Emergency Phone Number: (713) 674-7617 Chemtrec (24-HRS U.S.A.):

COMPOSITION/INFORMATION ON INGREDIENTS īΤ

Other Limits <u>Hazardous Components</u> CAS No. Wt& OSHA PEL ACGIH TLV of Exposure

STEL: Unknown Nonhazardous Blend 9003296/82980549 60-100 Unknown Unknown 103242/68411461

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation. Inquestion: May cause diarrhea.

Skin: Possible rash for persons with hypersensitivity.

Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation per-

wash thoroughly with hand cleanser, followed by soap & water. All contam-Skin:

inated clothing should be dry cleaned before reuse.

Ingestion: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty

continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.
Unsuitable Extinguishing Media: Water jet.

Self-contained breathing apparatus. Protective Equipment for Firefighting:

ACCIDENTAL RELEASE MEASURES VI.

<u>Personal Precautions</u>: Wear gloves & protective overalls. <u>Environmental Precautions</u>: Avoid disposal into drains.

Environmental Precautions:

Spillage: Scrape up bulk, then pick up residue with diatomaceous earth to avoid a walking hazard.

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary. Do not store at elevated temperatures. Storage:

EXPOSURE CONTROL/PERSONAL PROTECTION VIII.

Respiratory Protection: None needed.

<u>Hand Protection</u>: Protective gloves for hypersensitive persons. Glasses, if applied to moving parts in motion Eye Protection:

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid gel Color: Purple Odor: Mild pH: Neutral Boiling Range/Point 'F('C): >600 (316) Melting Point 'F('C): >500 (260) Flash Point (COC) 'F ('C): >400 (204) Autoignition Temperature 'F('C): >500 (260) Explosive Properties: LEL: UN UEL: UN Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): Not applicable. Vapor Pressure (kPa): <0.01 Density (q/cm³): 0.89 Flammability: Not flammable at ambient temperature.

Oxidizing Properties: None Water Solubility: Not soluble Vapor Density: >5 Percent Volatiles: Nil OAR Value: Not Applicable (No Volatiles)

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Strong inorganic & organic acids & oxidizing agents.
Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydro-carbons and oxides of carbon, sulfur and nitrogen.
Residue mainly comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known Irritancy - Skin: Very mild Allergens: None Known Skin Sensitization: Not known. Sub-acute/Subchronic Toxicity: Not known.

Chronic Toxicity: None known. Genotoxicity: None known. Carcinogens: None NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No California Prop 65 Agents: None known

LC-50: >4000 mg/kg (extrapolated from component data) LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Possible Effects: Unlikely to act as marine pollutant.
Behavior: Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

Product Disposal:

Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal:

Pails without liner see "Product Disposal."

Pails with Plastic Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport. <u>D.O.T.</u>: Nonhazardous <u>UN NO.</u>: Not Applicable <u>ROAD & RAIL TRANSPORT (ADR/RID)</u>: Not Applicable <u>SEA TRANSPORT (IMO & IMDG)</u>: Not Applicable <u>AIR TRANSPORT (ICAO & IATA)</u>: Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, as known.

R Phrases: R22 harmful if swallowed. EC Annex 1 Classification: Not Applicable
Ozone Depleting Chemicals: Not Applicable SARA 311/312: None
TSCA: All components are listed. WHMIS (Canada): Not regulated.
Canadian DSL: All components are listed. RCRA Hazard Class: Nonhazardous
40 CFR Part 372 (SARA Section 313): Not Applicable. CERCLA: Nonhazardous
TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised.

New Jersey Right To Know: See Section II.

Signature: D. A. Oldiges, rechnical Director

Date Issued: April 28, 2000

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DÁTA SHEET

Product Name: #202 MOLY-LITH Chemical Family: Petroleum based lubricating grease. Use: Equipment Lubrication.

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum oil	64742525/64742014	60-100	Oil mist TWA-5mg/m³	N/A	N/A
Nonhazardous Blend	7620771/9003296 1317335/68411461	10-20	UN	UN	UN

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Opaque Black Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): <600 (316)

Melting Point °F (°C): 390 (199) typical Flash Point (COC) °F (°C): 430 (221)

Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 0.89 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Slight, not readily soluble Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur, and nitrogen. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No LC-50: >2000mg/I—extrapolated from component data (Mysidopsis Bahia). LD-50: Not applicable

Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed: EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. <u>S Phrases:</u> None applicable, as known. <u>Ozone Depleting Chemicals:</u> Not applicable. <u>TSCA:</u> All components are listed. <u>WHMIS (Canada):</u> Not controlled. <u>Canadian DSL:</u> All components listed. <u>40 CFR Part 372 (SARA Section 313):</u> N/A **CERCLA:** Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

XVI. OTHER INFORMATION

New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: October 31, 2006

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use

LEGEND DENTIFICATION OF THE SUB IDENTIFICATION OF THE SUBSTANC COMPOSITION INFORMATION ON IN HAZARDS IDENTIFICATION FIRST AID MEASURES FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE EXPOSURE CONTROL/PERSONAL PROTECTION

HMIS SYMBOL PHYSICAL AND CHEMICAL PROPERTIES HYSICAL AND CHEMICAL PROF STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION ECOLOGICAL INFORMATION WASTE DISPOSAL TRANSPORT INFORMATION HEALTH FLAMMABILITY 1 REACTIVITY REGULATORY INFORMATION



JET-LUBE, INC. MATERIAL SAFETY DÁTA SHEET

Product Name: ALCO-EP-73 PLUSTM Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease. Address: 4849 Homestead Rd., Ste. #200 Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Use: Equipment lubrication Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure **ACGIH TLV Hazardous Components** CAS No. Wt% **OSHA PEL** 64742525/64742014 60-100 Oil mist N/A N/A TWA-5mg/M³ Nonhazardous Blend 82980549/68411461 5-10 UN UN UN 9003296 Organic Antimony Comp. UN UN UN 2-5 Max IN Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact. Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eve Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Physical State: Adhesive Semisolid paste Color: Red Odor: Petroleum ph: Neutral Boiling Range/Point °F (°C): <600 (316)

Melting Point °F (°C): 500 (260) typical Flash Point (COC) °F (°C): 430 (221)

Autoignition Temperature °F (°C): >500 (260) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butvl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 0.91 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No LC-50; >2000mg/l—extrapolated from component data. LD-50: Not applicable Possible Effects: None Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms. or reused. Liner-see Product Disposal section above.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous

XVI. OTHER INFORMATION

EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. Labeling Information: None needed S Phrases: None applicable, as known. Ozone Depleting Chemicals: N/A TSCA: All components are listed. SARA 311/312: None WHMIS (Canada): Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): This product contains RCRA Hazard Class: Nonhazardous TSCA 12B Components: None an organo-antimony additive. **CERCLA:** Nonhazardous

SDS first issued. SDS data revised. New Jersev Right To Know: See Section II

Signature: . Prepared by: Donald A. Oldiges Date Issued: November 11, 2005

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE' does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use

IDENTIFICATION OF THE SUBSTANCE/PREPARATION COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION IV. FIRST AID MEASURES FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE VIII. EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION ECOLOGICAL INFORMATION WASTE DISPOSAL TRANSPORT INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	В





MATERIAL SAFTEY DATA SHEET

4849 Homestead Road / P.O. Box 21258/Houston, Texas 77226 / 713-674-7617 / E-Mail sales@jetlube.com

HMIS/NFPA Health: 1

Fire: 1 Reactivity: 0

Personal Protection Index: N/A

IN IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: ALUMINUM COMPLEX BASE GREASE Chemical Family: Petroleum based lubricating grease.

Use: Equipment Lubrication

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-16286-31913 (England) (780) 463-7441

(Canada)

Emergency Phone Number: (713) 674-7617

Chemtrec (24-HRS U.S.A.): (800) 424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

Petroleum Oil 6474	2525 60-10	00 0:134:-4		- 2
	2020 00-10	00 Oil Mist	Not Applicable	STEL: 10mg/M ³
and 6474	42570	TWA-5mg/M	1 ³	
Nonhazardous 8298	5-10	UN	UN	UN

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation.

Ingestion: May cause diarrhea.

Skin: Possible rash for persons with hypersensitivity.

Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

<u>Skin</u>: Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse.

Ingestion: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

<u>Personal Precautions</u>: Wear gloves & protective overalls. <u>Environmental Precautions</u>: Avoid disposal into drains.

Spillage: Scrape up bulk, then pick up residue with diatomaceous earth to avoid a walking hazard.

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to moving parts in motion

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid (paste) Odor: Petroleum Color: Amber to brown

Boiling Range/Point °F(°C): <600 (316)

Flash Point (COC) °F (°C): 430 (221)

Autoignition Temperature °F(°C): >500 (260) Melting Point °F(°C): >450 (232)

Explosive Properties: **LEL**: 0.9% **UEL**: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): Not applicable. Vapor Pressure (kPa): <0.01

Density (g/cm³): 0.90 Flammability: Not flammable at ambient temperature.

Oxidizing Properties: None Water Solubility: Nil pH: Neutral

Vapor Density: >5 Percent Volatiles: Nil OAR Group: Not app.

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids & oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of

carbon, nitrogen and sulfur. Residue mainly comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. Irritancy - Skin: Very mild. Allergens: None Known

Skin Sensitization: Not known. Sub-acute/Subchronic Toxicity: Not known. Carcinogens: None Chronic Toxicity: None known. Genotoxicity: None known.

NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No

California Prop 65 Agents: None known.

LC-50: >2000 mg/kg (extrapolated from component data) LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner see "Product Disposal." Pails with Plastic Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport. D.O.T.: Nonhazardous

UN NO.: Not Applicable ROAD & RAIL TRANSPORT (ADR/RID): Not Applicable

SEA TRANSPORT (IMO & IMDG): Not Applicable AIR TRANSPORT (ICAO & IATA): Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, as known. R Phrases: R22 harmful if swallowed. EC Annex 1 Classification: Not Applicable

Ozone Depleting Chemicals: Not Applicable SARA 311/312: None

TSCA: All components are listed. WHMIS (Canada): Not controlled Canadian DSL: All components are listed. RCRA Hazard Class: Nonhazardous

40 CFR Part 372 (SARA Section 313): Not Applicable. **CERCLA**: Nonhazardous

TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II.

Date Issued: June 7, 2006 Signature:

Prepared By: D. A. Oldiges, Technical Director

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DATA SHEET

Product Name: ARCTIC BASE

Chemical Family: Petroleum based lubricating grease

Use: Equipment lubrication

Manufacturer/Supplier: JET-LUBE, INC.

Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum oil	64742525	60-100	Oil mist TWA-5mg/M³	N/A	STEL: 10mg/M ³
Nonhazardous Blend	3159624/68411461	5-10	UN	UN	UN

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea.

Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Amber Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): <600 (316) Melting Point °F (°C): 280 (138) Flash Point (COC) °F (°C): >320 (160) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): .89 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Slight Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No LC-50: >2000mg/kg—extrapolated from component data. LD-50: Not applicable

Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without linersee Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed.

WHMIS (Canada): Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A TSCA 12B Components: None CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: . Prepared by: Donald A. Oldiges Date Issued: February 22, 2004

of issue date, the information contained herein is accurate rd reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION
- FIRST AID MEASURES
- FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES
- HANDLING AND STORAGE
- EXPOSURE CONTROL/PERSONAL PROTECTION
- PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY
- TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- WASTE DISPOSAL TRANSPORT INFORMATION
- REGULATORY INFORMATION
- OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	NA



MATERIAL SAFETY DÁTA SHEET

Product Name: CA BLUE HT GREASE Chemical Family: Calcium Complex Grease

Use: Lubrication

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oils	64742525/64742638	70-90	Oil Mist	N/A	N/A
•	64742570		TWA-5mg/M³		
Nonhazardous Blend	68307879/57855773 9003274	10-30	N/A	N/A	N/A

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls.

Physical State: Sticky Semisolid Gel Color: Blue Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): >525 (274) Flash Point (COC) °F (°C): >430 (221) Melting Point °F (°C): 600 (315) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): .93 Flammability: Not flammable at ambient temperature. Vapor Density: >5 OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon. Residue mainly comprised of soot & mineral oxides

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No

EC Classification (67/548/EEC): No Allergens: None known. LC-50: >2000mg/kg—extrapolated from component data. LD-50: N/A Possible Effects: None

Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause noteable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Sea Transport (IMO & IMDG): N/A Road & Rail Transport (ADR/RID): N/A

<u>S Phrases:</u> N/A, as known. <u>Ozone Depleting Chemicals:</u> N/A <u>TSCA:</u> All components are listed. <u>WHMIS (Canada):</u> Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

D.O.T.: Nonhazardous UN No.: N/A

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: August 16, 2001

Not classified as hazardous for transport.

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use

LEGEND

- DENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION
- FIRST AID MEASURES
- FIRE FIGHTING MEASURES
- ACCIDENTAL RELEASE MEASURES
- HANDLING AND STORAGE
- VIII. Exposure control/personal protection
- PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY
- TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- WASTE DISPOSAL
- REGULATORY INFORMATION OTHER INFORMATION

HMIS SYMBOL

Air Transport (ICAO & IATA): N/A

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	NE



MATERIAL SAFETY DATA SHEET

HMIS/NFPA Personal Protection Index: N/A Health: 1 Fire: 1 Reactivity: 0

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: CALCIUM BASE GREASE

Chemical Family: Petroleum based lubricating grease.

Equipment Lubrication

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028
Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-1224-2
011-44-1628-31913 (England) (403) 463-744 011-44-1224-211330 (U.K.) (403) 463-7441 (Canada)

(800) 424-9300 (713) 674-7617 Chemtrec (24-HRS U.S.A.): Emergency Phone Number:

COMPOSITION/INFORMATION ON INGREDIENTS TI.

Hazardous	Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum 10mg/M ³	Oil	64741-96-4	60-100	Oil Mist	Not Applicable	STEL:
Tollig/M	and	64742-57-0		TWA-5mg/M ³		,
Nonhazardo	ous	3159624	5-10	UN	UN	UN

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation. Ingestion: May cause diarrhea.

Possible rash for persons with hypersensitivity. Skin:

<u>Inhalation</u>: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

If irritation per-Flush with water until all residual material is gone. Eyes:

sists, seek medical help.

Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse. Skin:

<u>Ingestion</u>: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty

continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

ACCIDENTAL RELEASE MEASURES VI.

Personal Precautions: Wear gloves & protective overalls.
Environmental Precautions: Avoid disposal into drains.
Spillage: Scrape up bulk, then pick up residue with diatomaceous earth to avoid a

walking hazard.

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary. Do not store at elevated temperatures. Storage:

EXPOSURE CONTROL/PERSONAL PROTECTION VIII.

<u>Respiratory Protection</u>: None needed. <u>Hand Protection</u>: Protective gloves f Hand Protection: Protective gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to moving parts in motion

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid (paste)

Boiling Range/Point *F(*C): <600 (316)

Flash Point (COC) *F (*C): 430 (221)

Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0

Partition Coefficient (Log Pow): Not applicable. Vapor Pressure (kPa): <0.01

Density (g/cm³): 0.90 Flammability: Not flammable at ambient temperature.

Oxidizing Properties: None Water Solubility: Slight, not readily soluble

Vapor Persity: >5 Percent Volatiles: Nil ph: Neutral OAR Value: Not applicable. Percent Volatiles: pH: Neutral OAR Value: Not app.

X. STABILITY AND REACTIVITY

<u>Stability</u>: Chemically stable under normal conditions. <u>Conditions to Avoid</u>: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids & oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, nitrogen and sulfur. Residue mainly comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. Irritancy - Skin: Very mild. Allergens: No Skin Sensitization: Not known. Sub-acute/Subchronic Toxicity: Not known. Chronic Toxicity: None known. Genotoxicity: None known. Carcinogens: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No California Prop 65 Agents: None known.

LC-50: >2000 mg/kg (extrapolated from component data) LD-50: Not Application (Allergens: Not Application (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representation (British Representat Allergens: None Known ne known. <u>Genotoxicity</u>: None known. <u>Carcinogens</u>: None <u>OSHA</u>: No <u>EC Classification (67/548/EEC)</u>: No <u>LD-50</u>: Not Applicable

XII. ECOLOGICAL INFORMATION

XIII. WASTE DISPOSAL

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Pails without liner see "Product Disposal." Pails with Plastic Container Disposal: Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

UN NO.: Not Applicable ROAD & RAIL TRANSPORT (ADR/RID): Not Applicable SEA TRANSPORT (IMO & IMDG): Not Applicable AIR TRANSPORT (ICAO & IATA): Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, as known.

R Phrases: R22 harmful if swallowed. EC Annex 1 Classification: Not Applicable
Ozone Depleting Chemicals: Not Applicable SARA 311/312: None
TSCA: All components are listed. WHMIS (Canada): Not regulated.
Canadian DSL: All components are listed. RCRA Hazard Class: Nonhazardous
40 CFR Part 372 (SARA Section 313): Not Applicable. CERCLA: Nonhazardous
TSCA 128 Components: None TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued SDS data revised. New Jersey Right To Know: See Section II.

Signature: D. A. Oldiges, Technical Firector Prepared By:

Date Issued: January 31, 2001

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DÁTA SHEET

Product Name: CB-2™ Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease Address: 4849 Homestead Rd., Ste. #200 Use: Equipment lubrication. Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure **Hazardous Components** Wt% **OSHA PEL ACGIH TLV** CAS No. 64742525/64742014 Petroleum oil 60-100 Oil mist STEL: 10mg/M3 N/A TWA-5mg/M³ Nonhazardous Blend 7620771/68411461 5-10 UN HN UN Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact. Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Physical State: Semisolid paste Color: Amber/Brown Odor: Petroleum ph: Neutral Boiling Range/Point °F (°C): <600 (316) Melting Point °F (°C): 392 (200) typical Flash Point (COC) °F (°C): 430 (221) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Autoignition Temperature °F (°C): >500 (260) Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 0.90 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Slight, not readily soluble Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >2000mg/kg—extrapolated from component data. LD-50: N/A

Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without linersee Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous

S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. WHMIS (Canada): Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A

XIII. WASTE DISPOSAL

XV. REGULATORY INFORMATION XVI. OTHER INFORMATION

RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None CERCLA: Nonhazardous

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Prepared by: Donald A. Oldiges Date Issued: June 13, 2005

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use

LEGEND DENTIFICATION OF THE SUBSTANCE/PRES COMPOSITION INFORMATION ON INGREDIENTS III. HAZARDS IDENTIFICATION IV. FIRST AID MEASURES FIRE FIGHTING MEASURES VI. ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE VIII EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION

NFPA SYMBOL PERSONAL PROTECTION INDEX

HMIS SYMBOL

1

0

HEALTH

FLAMMABILITY

REACTIVITY

THE KIRKPATRICK GROUP, INC.

MATERIAL SAFETY DATA SHEET

Product Name: DYNAGARD BLUE

Chemical Family: Petroleum based lubricating grease

Use: Equipment lubrication, wire rope protector and lubricant

Manufacturer Under Contract*: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617

Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components CAS No. Wt%

OSHA PEL

ACGIH TLV

Other Limits of Exposure

This material is not considered nonhazardous by OSHA Communication Std 29 CFR 1910.1200.

The confidential list of nonhazardous ingredients may be provided upon request.

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: Possible rash for persons with persensitivity.

Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water let, Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eve Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Blue Odor: Sweet pH: Neutral Boiling Range/Point °F (°C): >525 (274)

Melting Point °F (°C): 392 (200) Flash Point (COC) °F (°C): >430 (221) Autoignition Temperature °F (°C): >50 Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 1.0 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No Allergens: None known. LC-50: 25,000 ppm-actual EC Class (67/548/EEC); No LD-50: N/A

Possible Effects: Highly unlikely to gernerate oil fractions that could act as a marine pollutant. Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause noteable contamination.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous

EC Annex 1 Class: N/A R Phrases: R22—harmful if swallowed. S Phrases: None applicable, as Labeling Information: None needed known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. WHMIS (Canada): Not controlled.

Canadian DSL: All components listed. SARA 311/312: None above reportable limits TSCA 12B Components: None above reportable limits 40 CFR Part 372 (SARA Section 313): None above reportable limits **CERCLA:** Nonhazardous RCRA Hazard Class: Nonhazardous

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: . Prepared by: Donald A. Oldiges Date Issued: March 3, 2006

* All formulations and blending processes proprietary to:

THE KIRKPATRICK GROUP, INC.

Tel: 972-509-2468 Fax: 972-509-2554

LEGEND IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION FIRST AID MEASURES

FIRE FIGHTING MEASURES

ACCIDENTAL RELEASE MEASURES

HANDLING AND STORAGE

EXPOSURE CONTROL/PERSONAL PROTECTION

IX. PHYSICAL AND CHEMICAL PROPERTIES

X. XI. STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION

WASTE DISPOSAL

REGULATORY INFORMATION

XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	NIZ





MATERIAL SAFTEY DATA SHEET

4849 Homestead Road / P.O. Box 21258/Houston, Texas 77226 / 713-674-7617 / E-Mail sales@jetlube.com

HMIS/NFPA Health: 0

Fire: 1 Reactivity: 0

Personal Protection Index: Not Applicable

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: FOOD GRADE BASE

Chemical Family: Synthetic and white mineral oil.

Use: Food Machinery Grease for use in Food Contact Applications

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number 713-674-7617 (FAX: 713-678-4604) 011-44-16286-31913 (England) (780) 463-7441 (Canada) Chemtrec (24-HRS U.S.A.): (800) 424-9300

Emergency Phone Number: (713) 674-7617

II. COMPOSITION/INFORMATION ON INGREDIENTS

Other Limits Hazardous Components OSHA PEL CAS No. Wt% of Exposure Nonhazardous Blend 82980549/8042475 100% UN UN UN 9003296/68037014 68411461

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation.

Ingestion: May cause diarrhea.

Skin: May irritate the skin after prolonged periods of contact for hypersensitive persons.

Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Skin: Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned

before reuse.

Ingestion: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls.

Environmental Precautions: Avoid disposal into drains.

Spillage: Scrape up bulk, then wipe up remainder with cloth & pick up remaining residue with diatomaceous earth to avoid a walking hazard.

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to moving parts in motion

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-solid (paste)

Odor: Mild Boiling Range/Point °F(°C): <600 (316)

Flash Point (COC) °F (°C): 430 (221)

Explosive Properties: LEL: 0.9%

UEL: 7%

Color: Translucent water, white to pale yellow Melting Point °F(°C): 500 (260)

Autoignition Temperature °F(°C): >500 (260) Evaporation Rate (Butyl Acetate): <0.01

Vapor Pressure (kPa): <0.01

Partition Coefficient (Log Pow): Not applicable. **Density (g/cm³)**: 0.88

Flammability: Not flammable at ambient temperature.

Vapor Density: >5

Oxidizing Properties: None Percent Volatiles: Nil

Water Solubility: Nil OAR Value: Not Applicable (No Volatiles)

pH: Neutral

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Materials to Avoid: Strong inorganic & organic acids & oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon. Residue mainly comprised of soot & oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known.

Irritancy - Skin: Very mild.

Allergens: None Known

Skin Sensitization: Not known. Chronic Toxicity: None known.

Genotoxicity: None known.

Sub-acute/Subchronic Toxicity: Not known. Carcinogens: None

NTP: No IARC: No

OSHA: No

EC Classification (67/548/EEC): No

California Prop 65 Agents: None

LC-50: >4000 mg/kg (extrapolated from component data) (mysidopsis bahia)

LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Possible Effects: None

Behavior: Relatively well behaved. No bioaccumulation potential.

Environmental Fate: Highly unlikely to cause contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

Product Disposal: Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner see "Product Disposal." Pails with Plastic Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport.

UN NO.: Not Applicable

D.O.T.: Nonhazardous ROAD & RAIL TRANSPORT (ADR/RID): Not Applicable

SEA TRANSPORT (IMO & IMDG): Not Applicable

AIR TRANSPORT (ICAO & IATA): Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed.

S Phrases: None applicable, as known.

R Phrases: R22 harmful if swallowed (could block passages)

EC Annex 1 Classification: Not Applicable Ozone Depleting Chemicals: Not Applicable SARA 311/312: None CERCLA: Nonhazardous

TSCA: All components are listed.

WHMIS (Canada): Not controlled.

Canadian DSL: All components are listed.

RCRA Hazard Class: Nonhazardous

Regulation 40 CFR Part 372 (SARA Section 313): Not Applicable.

TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised.

New Jersey Right To Know: See Section II.

Date Issued: April 8, 2003

Signature:

Prepared By: D. A. Oldiges, Technical Director

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE® NO. 33 Chemical Family: Synthetic based lubricant Use: Equipment lubrication

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617

Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300

Other Limits of Exposure CAS No. OSHA PEL Hazardous Components Wt% ACGIH TLV 63148629/7631869 Nonhazardous Blend 100 LIN STEL: UN

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea.

Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Avoid disposal into drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls.

Physical State: Smooth, semiplastic Color: Light pink Odor: Low pH: Neutral Boiling Range/Point °F (°C): >600 (316) Flash Point (COC) °F (°C): >560 (293) Melting Point °F (°C): 400 (204) Autoignition Temperature °F (°C): >600 (316) Explosive Properties: LEL: UN UEL: UN Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 1.06 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Not soluble Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon & silicone. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >4000mg/kg—extrapolated from component data. LD-50: N/A

Possible Effects: Unlikely to act as a marine pollutant.

Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate. Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

CERCLA: Nonhazardous SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: October 30, 2006

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IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPAN COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION FIRST AID MEASURES FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION WASTE DISPOSAL TRANSPORT INFORMATION REGULATORY INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	\Box



MATERIAL SAFETY DATA SHEET Manufacturer/Supplier: JET-LUBE, INC. Product Name: JET-PLEX-EP™ Address: 4849 Homestead Rd., Ste. #200 Chemical Family: Lithium based lubricating grease. Houston, TX, 77028 USA Phone: 713-674-7617 **Use:** Equipment lubrication Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure **Hazardous Components OSHA PEL** ACGIH TLV CAS No. Wt% 64742525/64742014 Petroleum Oil 60-80 Oil Mist N/A TWA-5mg/M³ Nonhazardous Blend 7059167/6891936 20-30 9003274/6841146 68815496 Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact. Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Avoid disposal into drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls. Physical State: Semisolid paste Color: Red Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): UN Melting Point °F (°C): N/A Flash Point (COC) °F (°C): >430 (221) Autoignition Temperature °F (°C): >500 (260)

Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 91 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >2000mg/I—extrapolated from component data. LD-50: N/A Possible Effects: Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms. Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above. Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous <u>S Phrases:</u> None applicable, as known. <u>Ozone Depleting Chemicals:</u> Not applicable. <u>TSCA:</u> All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None **CERCLA:** Nonhazardous SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: (Prepared by: Donald A. Oldiges Date Issued: September 1, 2006

As of issue date, the information contained herein is accu and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION
- FIRST AID MEASURES FIRE FIGHTING MEASURES
- ACCIDENTAL RELEASE MEASURES
- HANDLING AND STORAGE
- VIII. EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES
- STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- XIII. WASTE DISPOSAL
- XIV. TRANSPORT INFORMATION REGULATORY INFORMATION
- XVI. OTHER INFORMATION

HMIS SYMBOL





MATERIAL SAFETY DATA SHEET

Product Name: KILN GREASE HTTM Chemical Family: Hi-temp lubricating grease Use: Equipment lubrication.

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	of Exposure	
Petroleum oil	64742570/64742627	60-100	Oil mist TWA-5mg/M³	N/A	N/A	
Nonhazardous Blend	82980549/1317653 57855773/9002840	10-20	UN	UN	UN	

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea.

Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions; Wear gloves & protective overalls. Environmental Precautions; Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Lubricating Grease Color: Green Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): >700 (371) Melting Point °F (°C): 500 (260) Flash Point (COC) °F (°C): >560 (293) Autoignition Temperature °F (°C): >615 (324) Explosive Properties; LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 0.94 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & Materials to Avoid: Strong inorganic & organic acids, oxidizing & copper reactive agents. extreme temps.

Hazardous Decomposition Products: Burning generates oxides of carbon, gaseous florine mixtures, smoke and fumes Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No

EC Class (67/548/EEC): No Allergens: None known. LC-50: >2000mg/l-extrapolated from component data (Mysidopsis Bahia). LD-50: N/A

Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. <u>Labeling Information:</u> None needed S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None CERCLA: Nonhazardous

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: February 8, 2004

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- IDENTIFICATION OF THE SUBSTANCE/F
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- FIRST AID MEASURES
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- REGULATORY INFORMATION
- OTHER INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	NR



MATERIAL SAFETY DÁTA SHEET

Product Name: KORR-GUARD™

Chemical Family: Petroleum based lubricating grease. Use: Rust inhibiting compound for pipe thread storage.

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oil	64742525/64742570	40-60	Oil mist	N/A	STEL: 10mg/M ³
	26264062/3159624		TWA-5mg/m ³		-
Calcium Sulfonates	57855773	40-60	UN	UN	UN
Nonhazardous Blend	471341	2-5	UN	UN	UN

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: Possible rash for persons with hypersensitivity.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Eye Protection: Glasses, if applied to parts in motion.

Hand Protection: Protective gloves for hypersensitive persons. **Body Protection:** Overalls.

Physical State: Semisolid gel Color: Lt. Olive Green Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): <600 (316) Melting Point °F (°C): 430 (221) Flash Point (COC) °F (°C): 430 (221) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A V.O.C. Content: Nil Vapor Pressure (kPa): <0.01 Density (g/cm³): 0.98 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Slight, not readily soluble Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning

generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Very mild. Skin Sensitization: Not known. Irritancy-Skin: Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known.

NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No California Prop 65: N/A Carcinogen: .C-50: >2000mg/kg-extrapolated from component data. LD-50: Not applicable Allergens: None known Possible Effects: In extreme cases, may gernerate oil fractions that could act as a marine pollutant. Occurrences of this nature are highly

unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. Labeling Information: None needed S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. **CERCLA:** Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: () Prepared by: Donald A. Oldiges Date Issued: May 19, 2005

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LEGEND

COMPOSITION INFORMATION ON INGREDIENTS
HAZAROS IGENTIFICATION
FIRST ALD MEASURES
FIRE FIGHTING MEASURES
ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE

EXPOSURE CONTROL/PERSONAL PROTECTION

PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY

STABILITY AND REACTIVITY
TOXICOLOGICAL INFORMATION
ECOLOGICAL INFORMATION
WASTE DISPOSAL
TRANSPORT INFORMATION
REGULATORY INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A



MATERIAL SAFETY DATA SHEET

Personal Protection Index: N/A HMIS/NFPA Health: Reactivity: 0 Fire: 1

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: LITHIUM BASE GREASE

Chemical Family: Petroleum based lubricating grease.

Equipment Lubrication

Manufacturer/Supplier: Jet-Lube, Inc.
Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028
Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-1224-211330 (U.K.)
011-44-1628-31913 (England) (403) 463-7441 (Canada)
Emergency Phone Number: (713) 674-7617 Chemtrec (24-HRS U.S.A.): (800) 4 (800) 424-9300

COMPOSITION/INFORMATION ON INGREDIENTS II.

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oil and	64741-96-4 64742-57-0	60-100	Oil Mist TWA-5mg/M ³	Not Applicable	STEL: 10mg/M ³
Nonhazardous	7620771	5-10	UN	UN	UN

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

May cause irritation. <u>Inqestion</u>: May cause diarrhea. Possible rash for persons with hypersensitivity.

Skin:

Inhalation: Viscous nature may block breathing passages if inhaled.

FIRST AID MEASURES IV.

Flush with water until all residual material is gone. If irritation persists, seek medical help. Eves:

Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse.

Ingestion: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty

continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist. Water jet. Unsuitable Extinguishing Media:

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls.

Environmental Precautions: Avoid disposal into drains.

Scrape up bulk, then pick up residue with diatomaceous earth to avoid a walking hazard. Spillage:

VII. HANDLING AND STORAGE

No special handling precautions necessary. Do not store at elevated temperatures. Storage:

EXPOSURE CONTROL/PERSONAL PROTECTION VIII.

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to moving parts in motion

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: Amber to brown Odor: Petroleum
Melting Point 'F('C): 392 (200)
Autoignition Temperature 'F('C): >500 (260) Physical State: Semi-solid (paste) Boiling Range/Point 'F('C): <600 (316) Melting Point 'F('C): 392 (200)
Flash Point (COC) 'F ('C): 430 (221) Autoignition Temperature 'F('C): >500 (
Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate):
Partition Coefficient (Log Pow): Not applicable. Vapor Pressure (kPa): <0.
Density (g/cm³): 0.90 Flammability: Not flammable at ambient temperature. Vapor Pressure (kPa): <0.01 Oxidizing Properties: None Water Solubility: Slight, not readily soluble pH: Vapor Density: >5 Percent Volatiles: Neutral OAR Group: Nil

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Materials to Avoid: Strong inorganic & organic acids & oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, nitrogen and sulfur. Residue mainly comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. Irritancy - Skin: Very Skin Sensitization: Not known. Sub-acute/Subchronic Chronic Toxicity: None known. Genotoxicity: None known.

NTP: No IARC: No OSHA: No EC Classification (California Prop 65 Agents: None known.

LC-50: >2000 mg/kg (extrapolated from component data) <u>Irritancy - Skin</u>: Very mild. <u>Allergens</u>: No n. <u>Sub-acute/Subchronic Toxicity</u>: Not known. Allergens: None Known Genotoxicity: None known. Carcinogens: None EC Classification (67/548/EEC): LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Highly unlikely to cause notable contamination. marine or land organisms. Environmental Fate: Nontoxic to

XIII. WASTE DISPOSAL

Product Disposal: Do not incinerate. Contact waste disposal company or local

authority for advice.
Pails without liner see "Product Disposal." Pails with Plastic Container Disposal:

Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

UN NO.: Not Applicable ROAD & RAIL TRANSPORT (ADR/RID): Not Applicable SEA TRANSPORT (IMO & IMDG): Not Applicable AIR TRANSPORT (ICAO & TATA) AIR TRANSPORT (ICAO & IATA): Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, as known.

R Phrases: R22 harmful if swallowed. EC Annex 1 Classification: Not Applicable
Ozone Depleting Chemicals: N/A SARA 311/312: None CERCLA: Nonhazardous
TSCA: All components are listed. WHMIS (Canada): Not regulated.
Canadian DSL: All components are listed. RCRA Hazard Class: Nonhazardous
40 CFR Part 372 (SARA Section 313): Not Applicable 40 CFR Part 372 (SARA Section 313): Not Applicable. TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II.

Signature: Prepared By: D. A. Oldiges, Technical Director

Date Issued: <u>August 8, 2000</u>

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DATA SHEET

Product Name: MARINE Multipurpose Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease Address: 4849 Homestead Rd., Ste. #200 Use: Equipment lubrication Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure CAS No. **OSHA PEL** ACGIH TLV **Hazardous Components** Wt% Petroleum oil 64742-52-5/64742-01-4 60-100 Oil mist N/A STEL: 10mg/M3 TWA-5mg/M³ Nonhazardous Blend 471-34-1/7620-77-1 IN UN UN 10-20 6841-14-6/57855-77-3 Main Hazards-Health Effects Eves: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: Possible rash for persons with persensitivity. Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Physical State: Semisolid paste Color: Purple Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): >525 (274)

Melting Point °F (°C): 392 (200) Flash Point (COC) °F (°C): 430 (221) Autoignition Temperature °F (°C): >500 (26 Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/ OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Pressure (kPa): <0.01 Density (g/cm³): 0.96 Flammability: Not flammable at ambient temperature. Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avold: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing & copper reactive agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides Acute Toxicity: Not known. Irritancy-Skin; Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No Allergens: None known. LC-50: >2000 mg/kg-extrapolated from component data. LD-50: N/A EC Class (67/548/EEC); No Possible Effects: May gernerate oil fractions that could act as a marine pollutant, but is unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause noteable contamination. Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above. Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. ISCA: All components are listed. Canadian DSL: All components listed. SARA 311/312: None TSCA 12B Components: None WHMIS (Canada): Not controlled. **CERCLA:** Nonhazardous RCRA Hazard Class: Nonhazardous 40 CFR Part 372 (SARA Section 313): N/A

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: 5 Prepared by: Donald A. Oldiges Date Issued: September 22, 2006

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND DENTIFICATION OF THE SUBSTANCE/PRE COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION FIRST AID MEASURES

FIRE FIGHTING MEASURES

ACCIDENTAL RELEASE MEASURES

HANDLING AND STORAGE

VIII EXPOSURE CONTROL/PERSONAL PROTECTION

PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION ECOLOGICAL INFORMATION

XIII. WASTE DISPOSAL

XIV. TRANSPORT INFORMATION

REGULATORY INFORMATION

OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	N/A



MATERIAL SAFETY DATA SHEET

Product Name: MARINE WIRE ROPE & HAWSER GREASE Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease Address: 4849 Homestead Rd., Ste. #200 **Use:** Equipment lubrication Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure **Hazardous Components** CAS No. Wt% **OSHA PEL** ACGIH TLV 64742525/64742014 STEL: 10mg/M3 60-100 Oil mist Petroleum oil N/A TWA-5mg/M³ Nonhazardous Blend 1314132/1317653 10-20 UN UN UN 57855773/7620771 6841146 Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: Possible rash for persons with persensitivity. Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. <u>Ingestion:</u> Wash out mouth immediately. Consult physician. <u>Skin:</u> Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eve Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Physical State: Semisolid paste Color: Beige Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): <600 (316)

Melting Point °F (°C): 392 (200) Flash Point (COC) °F (°C): >430 (221) Autoignition Temperature °F (°C): >500 (200) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 0.97 Flammability: Not flammable at ambient temperature.

OAR Value: N/A Oxidizing Properties: None Water Solubility: Slight, not readily soluble Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon and silicon. Residue mainly comprised of soot & mineral oxides Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Acute Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Class (67/548/EEC): No Allergens: None known. **LC-50:** >2000 mg/kg-extrapolated from component data. Possible Effects: May gernerate oil fractions that could act as a marine pollutant, but is unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause noteable contamination. Nontoxic to marine or land organisms. Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. Labeling Information: None needed S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. WHMIS (Canada): Not controlled. Canadian DSL: All components listed. SARA 311/312: None TSCA 12B Components: None 40 CFR Part 372 (SARA Section 313): N/A CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous New Jersey Right To Know: See Section II SDS first issued SDS data revised.

Signature: Prepared by: Donald A. Oldiges Date Issued: November 11, 2005

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE' does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND DENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION

FIRST AID MEASURES

FIRE FIGHTING MEASURES

VI. ACCIDENTAL RELEASE MEASURES

HANDLING AND STORAGE

EXPOSURE CONTROL/PERSONAL PROTECTION VIII

PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

WASTE DISPOSAL

XIV TRANSPORT INFORMATION REGULATORY INFORMATION

XVI OTHER INFORMATION

HMIS SYMBOL

Litaire	SIMID	<i>_</i> _
HEALT	Н	1
FLAMI	ABILITY	1
REACT	IVITY	0
PPI		N/A



HMIS/NFPA Health: 1 Fire: 1 Reactivity: 0 Personal Protection Index: Not Applicable

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: MOLY EP 620

Chemical Family: Semi-synthetic grease.

Use: Equipment Lubrication.

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-1628-31913 (England) 780-463-7441 (Canada)

Emergency Phone Number: (713) 674-7617 Chemtrec (24-HRS U.S.A.): (800) 424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oils	64742525/64742570	50-70	Oil Mist TWA-5mg/M ³	NA	STEL: 10mg/M ³
Nonhazardous Blend	82980549/1317335 68037014/7782425 68511505/9003274	20-30	UN	UN	UN

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation. Ingestion: May cause diarrhea. Skin: May irritate the skin after prolonged periods of contact for hypersensitive persons. Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Skin: Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse. **Ingestion**: Consult physician. **Inhalation**: Clear air passage and seek medical help, if respiratory difficulty continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

<u>Personal Precautions</u>: Wear gloves & protective overalls. <u>Environmental Precautions</u>: Avoid disposal into drains.

Spillage: Scrape up bulk, then wipe up remainder with cloth & pick up remaining

residue with diatomaceous earth to avoid a walking hazard.

VII. HANDLING AND STORAGE

<u>Handling</u>: No special handling precautions necessary. **Storage**: Do not store at elevated temperatures.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons. **Eye Protection**: Glasses, if applied to moving parts in motion.

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi fluid soft gel Color: Black Odor: Petroleum/Sulfur pH: Neutral Boiling Range/Point °F(°C): <600 (316) Melting Point °F (°C): >450 (232) Flash Point (COC) °F (°C): 450 (232) Autoignition Temperature °F(°C): >500 (260)

Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 artition Coefficient (Log Pow): NA Vapor Pressure (kPa): <0.01 Density (g/cm³): 0.93

uxidizing Properties: None Flammability: Not flammable at ambient temps. Viscosity (Base Oil 40°C): 150 Typ

Water Solubility: Nil Vapor Density: >5 Percent Volatiles: Nil OAR Group: NA

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids & oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon. Residue mainly comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known. Irritancy - Skin: Very mild. Allergens: None known Skin Sensitization: Not known. Sub-acute/Subchronic Toxicity: Not known. Chronic Toxicity: None known. Genotoxicity: None known. Carcinogens: None NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No California Prop 65 Agents: None LC-50: >2000 mg/kg (extrapolated from component data) (mysidopsis bahia) LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Possible Effects: None Behavior: Relatively well behaved. No Bioaccumulation potential. Environmental Fate: Highly unlikely to cause contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

Product Disposal: Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner see "Product Disposal." Pails with Plastic Liner - pail can only be disposed of via standard waste disposal services, ecycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN NO.: Nonhazardous

ROAD & RAIL TRANSPORT (ADR/RID): Nonhazardous

SEA TRANSPORT (IMO & IMDG): Nonhazardous AIR TRANSPORT (ICAO & IATA): Nonhazardous

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, as known R Phrases: R22 harmful if swallowed

(could block passages). EC Annex 1 Class: N/A SARA 311/312: None Ozone Depleting Chemicals: N/A

CERCLA: Nonhazardous TSCA: All components are listed. WHMIS (Canada): Not controlled

Canadian DSL: All components listed. RCRA Hazard Class: Nonhazardous 40 CFR Part 372 (SARA Section 313): None TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II.

Signature: Prepared By: D. A. Oldiges, Technical Director Date Issued: August 5, 2004

Disclaimer

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MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE® NCS-30

Chemical Family: Complex grease base

Use: Thread lubricant and sealant, anti-seize compound

Manufacturer/Supplier: JET-LUBE, INC.

Address: 4849 Homestead Rd., Ste. #200 Houston, TX, 77028 USA Phone: 713-674-7617

Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Other Limits of Exposure Wt% ACGIH TLV **OSHA PEL** Hazardous Components CAS No Lubricating Grease 74869219 45-50 N/A

Nonhazardous Blend

14807966/13463677 7789755

40-60

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Hand Protection: Protective gloves for hypersensitive persons. Respiratory Protection: None needed. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls.

Physical State:Semisolid pasteColor:BeigeOdor:PetroleumpH:NeutralBoiling Range/Point °F (°C):UNMelting Point °F (°C):>400 (204)Flash Point (COC) °F (°C):>430 (221)Autoignition Temperature °F (°C) Melting Point °F (°C): >400 (204) Flash Point (COC) °F (°C): >430 (221) Autoignition Temperature °F (°C): >500 (260)

Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Density (g/cm³): 1.26 Flammability: Not flammable at ambient temperature. Vapor Pressure (kPa): <0.01 V.O.C. Content: Nil

Water Solubility: Nil OAR Value: N/A Oxidizing Properties: None Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing & copper reactive agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known.

Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >4000mg/l - extrapolated from component data.

Possible Effects: None

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous

EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. Labeling Information: None needed S Phrases: N/A, as known. Ozone Depleting Chemicals: N/A TSCA: All components are listed. TSCA 12B Components: None WHMIS (Canada): Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A SARA 311/312: None CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: . Prepared by: Donald A. Oldiges Date Issued: July 23, 2007

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COM
- II. COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION
- IV. FIRST AID MEASURES
- V. FIRE FIGHTING MEASURES VI. ACCIDENTAL RELEASE MEASURES
- VII. HANDLING AND STORAGE
- VIII. EXPOSURE CONTROL/PERSONAL PROTECTION
- IX. PHYSICAL AND CHEMICAL PROPERTIES
- X. STABILITY AND REACTIVITY
- TOXICOLOGICAL INFORMATION
- XII. ECOLOGICAL INFORMATION
- XIII. WASTE DISPOSAL
- TRANSPORT INFORMATION
- REGULATORY INFORMATION
- OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	В





MATERIAL SAFETY DATA SHEET

4849 HOMESTEAD ROAD / P.O. BOX 21258 / HOUSTON, TEXAS 77226 / 713/674-7617 / TELEX 775393

HMIS/NEPA Health: 1 Fire: 1 Reactivity: 0 Personal Protection Index: Not Applicable

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: XG-431

Chemical Family: Calcium Complex Grease.

Use: Lubrication

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-1224-2
011-44-1628-31913 (England) (403) 463-744 011-44-1224-211330 (U.K.) (403) 463-7441 (Canada)

Emergency Phone Number: (713) 674-7617 Chemtrec (24-HRS U.S.A.): (800) 424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

Other Limits Hazardous Components Petroleum Oils 64 ACGIH TLV of Exposure OSHA PEL 64741964/64742638 70-90 Oil Mist NA TWA-5mg/M³

Molybdenum Disulfide 1317335 10-30 TIN TTN TIN

TII. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes:

May cause irritation. <u>Ingestion</u>: May cause diarrhea.

May irritate the skin after prolonged periods of contact for hypersensitive

persons.

Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Flush with water until all residual material is gone. If irritation per-Eves:

sists, seek medical help.

Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse. Skin:

Ingestion: Consult physician.

Clear air passage and seek medical help, if respiratory difficulty Inhalation:

continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, water spray (fog), carbon dioxide, or vaporizing

liquid-type extinguishing agents.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls.

Environmental Precautions: Avoid disposal into drains.

Scrape up bulk, then wipe up remainder with cloth & pick up remaining residue with diatomaceous earth to avoid a walking hazard. <u>Spillage</u>:

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary. Do not store at elevated temperatures. Storage:

EXPOSURE CONTROL/PERSONAL PROTECTION VIII.

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to moving parts in motion.

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Semi-Solid (Paste) Color: Blue/black grease Odor: Petroleum PH: Neutral Boiling Range/Point *F (*C): >525 (274)

Melting Point *F (*C): 600 (315) Flash Point (COC) *F (*C): >430 (221)

Autoignition Temperature *F(*C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): NA Vapor Pressure (kPa): <0.01 Density (g/cm³): 1.13 Oxidizing Properties: NF Flammability: Not flammable at ambient temperature. Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5 Percent Volatiles: Nil OAR Group: NA

X. STABILITY AND REACTIVITY

<u>Stability</u>: Chemically stable under normal conditions. No photoreactive agents.

<u>Conditions to Avoid</u>: Powerful sources of ignition and extreme temperatures.

<u>Materials to Avoid</u>: Strong inorganic & organic acids & oxidizing agents.

<u>Hazardous Decomposition Products</u>: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon. Residue maily comprised of soot & mineral oxides.

XI. TOXICOLOGICAL INFORMATION

Acute loxicity: Not known. Irritancy - Skin: Very mild. Allergens: None known. Skin Sensitization: Not known. Sub-acute/Subchronic Toxicity: Not known. Chronic Toxicity: None known. Genotoxicity: None known. Carcinogens: None NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No California Prop 65 Agents: None LC-50: >2000 mg/kg (extrapolated from component data) (mysidopsis bahia) LD-50: Not Applicable <u>Irritancy - Skin</u>: Very mild. Acute Toxicity: Not known. Allergens: None known

LD-50: Not Applicable

XII. ECOLOGICAL INFORMATION

Possible Effects: None
Behavior: Relatively well behaved. No Bioaccumulation potential.
Environmental Fate: Highly unlikely to cause contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

<u>Product Disposal</u>: Contact waste disposal company or local authority for advice.

<u>Container Disposal</u>: Pails without liner see "Product Disposal." Pails with Plastic

Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport. <u>D.O.T.</u>: Nonhazardous <u>UN NO.</u>: Not Applicable <u>ROAD & RAIL TRANSPORT (ADR/RID)</u>: Not Applicable <u>SEA TRANSPORT (IMO & IMDG)</u>: Not Applicable <u>AIR TRANSPORT (ICAO & IATA)</u>: Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed. S Phrases: None applicable, R Phrases: R22 harmful if swallowed (could block passages).

EC Annex 1 Classification: Not Applicable SARA 311/312: None
Ozone Depleting Chemicals: Not Applicable CERCLA: Nonhazardous
TSCA: All components are listed. WHMIS (Canada): Not regulated.

Canadian DSL: All components listed CANADIA CONTROLLED S Phrases: None applicable, as known RCRA Hazard Class: Nonhazardous Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): This product contains, in part, raw material components subject to reporting.

TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II.

Signature: Prepared By:

A. Oldiges, Technical Darector

Date Issued: November 30, 2000

<u>Disclaimer</u>

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DÁTA SHEET

Product Name: JET-LUBE C580 ECF BIO SULFORHTE Chemical Family: Petroleum & vegetable oil based lubricating grease Use: Lubricant and preservative

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oil	64742-52-5/8042-47-5	10-20	Oil Mist TWA-5mg/M³	N/A	STEL: 10mg/M³
Nonhazardous Blend	26264-06-2/72623-81-1 68411-46-1/3159-62-4 471-34-1/68956-68-3		UN	UN	UN

Main Hazards-Health Effects Eves: May cause irritation.

Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: Possible rash for persons with hypersensitivity.

Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Nonhazardous Spillage; Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: Do not allow it to enter drains (it may clog drain) Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Beige Odor: Neutral ph: Neutral Boiling Range/Point °F (°C): <600 (316)

Melting Point °F (°C): None Flash Point (COC) °F (°C): 500 (260)

Autoignition Temperature °F (°C): >500 (2 Melting Point °F (°C): None Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 % Volatiles: Nil Density (g/cm³): 0.97 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Not readily soluble Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon and nitrogen. Residue mainly comprised of mineral oxides

Acute Toxicity: Not known Irritancy-Skin: None known Skin Sensitization: Not known Subacute/Sub-chronic Toxicity: Not known Genotoxicity: None known Chronic Toxicity: None known California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens; None known LC-50: >4000mg/kg—extrapolated from component data. LD-50: N/A

Possible Effects: Tested and shown nonhazardous in a marine environment.

Behavior: Relatively well behaved. Bioaccumulation nil.

Environmental Fate: Will not cause noteable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: Not applicable as known. S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None

TSCA 12B Components: None

SDS first issued. SDS data revised. New Jersev Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: January 25, 2006

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage ansing out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION FIRST AID MEASURES

FIRE FIGHTING MEASURES

VI ACCIDENTAL RELEASE MEASURES

HANDLING AND STORAGE

VIII EXPOSURE CONTROL/PERSONAL PROTECTION

PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION WASTE DISPOSAL

XIII TRANSPORT INFORMATION

REGULATORY INFORMATION

XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PPI	В



MATERIAL SAFETY DATA SHEET

Product Name: CZ-EX® PLUS

Chemical Family: Complex grease base

Use: Thread lubricant and sealant, anti-seize compound

Manufacturer/Supplier: JET-LUBE, INC.

Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Petroleum Oil	64742525/64742014	25-35	Oil Mist TWA-5mg/M ³	N/A	N/A
Nonhazardous Blend	26264062/62544 471341/13701649 3159624	65-75	_		

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls.

Physical State: Semi-solid paste Color: Beige Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): UN Flash Point (COC) °F (°C): >430 (221) Melting Point °F (°C): >400 (204) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 1.417 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No

EC Classification (67/548/EEC): No Allergens: None known. LC-50: >4000mg/kg—extrapolated from component data. LD-50: N/A Possible Effects: None

Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause noteable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R22-harmful if swallowed. <u>S Phrases:</u> None applicable, as known. <u>Ozone Depleting Chemicals:</u> Not applicable. <u>TSCA:</u> All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

SDS data revised. New Jersey Right To Know: See Section II

Prepared by: Donald A. Oldiges Date Issued: March 22, 2004

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION FIRST AID MEASURES
- FIRE EIGHTING MEASURES
- ACCIDENTAL RELEASE MEASURES
- HANDLING AND STORAGE
- EXPOSURE CONTROL/PERSONAL PROTECTION
- PHYSICAL AND CHEMICAL PROPERTIES
- STABILITY AND REACTIVITY
- TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- XIII. WASTE DISPOSAL
- XIV, TRANSPORT INFORMATION REGULATORY INFORMATION
- XVI. OTHER INFORMATION

HMIS SYMBOL





THE KIRKPATRICK GROUP, INC.

MATERIAL SAFETY DATA SHEET

Product Name: DYNAGARD E

Chemical Family: Lubricating grease

Use: Equipment lubrication, wire rope protector and lubricant

Manufacturer Under Contract*: JET-LUBE, INC.

Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617

Other Limits of Exposure

Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

ACGIH TLV CAS No. Wt% **OSHA PEL** Hazardous Components

This material is not considered nonhazardous by OSHA Communication Std 29 CFR 1910.1200. The confidential list of nonhazardous ingredients may be provided upon request.

Main Hazards-Health Effects Eves: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea.

Skin: Possible rash for persons with hypersensitivity.

Eves: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: None known. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eve Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Brown Odor: Low Odor pH: Neutral Boiling Range/Point °F (°C): >525 (274)

Melting Point °F (°C): 392 (200) Flash Point (COC) °F (°C): >480 (250) Autoignition Temperature °F (°C): >500 (260) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nii Density (g/cm²): 1.0 Flammability: Not flammable at ambient temperature. Vapor Density: >5 OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Class (67/548/EEC): No Allergens: None known. LC-50: 21,000 ppm-actual

Possible Effects: Highly unlikely to generate fractions that could act as marine pollutants.

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause noteable contamination.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

EC Annex 1 Class: N/A R Phrases: R22—harmful if swallowed. S Phrases: None applicable, as Labeling Information: None needed known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. WHMIS (Canada): Not controlled. SARA 311/312; None above reportable limits TSCA 12B Components; None above reportable limits Canadian DSL: All components listed. RCRA Hazard Class: Nonhazardous 40 CFR Part 372 (SARA Section 313): None above reportable limits CERCLA: Nonhazardous

SDS first issued. SDS data revised. New Jersev Right To Know: See Section II

Signature: (Prepared by: Donald A. Oldiges Date Issued: March 3, 2006

* All formulations and blending processes proprietary to:

THE KIRKPATRICK GROUP, INC.

Tel: 972-509-2468 Fax: 972-509-2554 **LEGEND**

COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION

FIRST AID MEASURES FIRE FIGHTING MEASURES

ACCIDENTAL RELEASE MEASURES

HANDLING AND STORAGE

EXPOSURE CONTROL/PERSONAL PROTECTION

PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

WASTE DISPOSAL TRANSPORT INFORMATION

REGULATORY INFORMATION

OTHER INFORMATION

HMIS SYMBOL

HEALTH FLAMMABILITY 1 REACTIVITY 0 PPI N/A





MATERIAL SAFTEY DATA SHEET

4849 Homestead Road / P.O. Box 21258/Houston, Texas 77226 / 713-674-7617 / E-Mail sales@jetlube.com

HMIS/NFPA

Health: 1

Fire: 1

Reactivity: 0

Personal Protection Index: N/A

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name: FIBER GREASE

Chemical Family: Petroleum based lubricating grease.

Use: Lubricant additive blend.

Manufacturer/Supplier: Jet-Lube, Inc.

Address: 4849 Homestead Rd., Suite 200, Houston, TX, USA, 77028

Phone Number: 713-674-7617 (FAX: 713-678-4604) 011-44-16286-31913 (England) (780) 463-7441 (Canada)

Emergency Phone Number: (713) 674-7617

Chemtrec (24-HRS U.S.A.): (800) 424-9300

II. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	of Exposure
Petroleum Oil	64742525/64742570	60-100	Oil Mist TWA-5mg/M ³	Not Applicable	STEL: 10mg/M ³
Nonhazardous	82980549 or 7620771 or 3159624	10-20	UN	UN	UN

III. HAZARDS IDENTIFICATION

MAIN HAZARDS - Health Effects

Eyes: May cause irritation.

Ingestion: May cause diarrhea.

Skin: Possible rash for persons with hypersensitivity.

Inhalation: Viscous nature may block breathing passages if inhaled.

IV. FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Skin: Wash thoroughly with hand cleanser, followed by soap & water. All contaminated clothing should be dry cleaned before reuse.

Ingestion: Consult physician.

Inhalation: Clear air passage and seek medical help, if respiratory difficulty continues.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder, halon, carbon dioxide, sand, earth & water mist.

Unsuitable Extinguishing Media: Water jet.

Protective Equipment for Firefighting: Self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear gloves & protective overalls.

Environmental Precautions: Avoid disposal into drains.

Spillage: Scrape up bulk, and then pick up residue with diatomaceous earth to avoid a walking hazard.

VII. HANDLING AND STORAGE

Handling: No special handling precautions necessary.

Storage: Do not store at elevated temperatures.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection: None needed.

<u>Hand Protection</u>: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to moving parts in motion

Body Protection: Overalls.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Fiberous Gel

Color: Amber to brown Odor: Petroleum

Boiling Range/Point °F(°C): <600 (316)

Melting Point $^{\circ}F(^{\circ}C)$: >280 (139)

Flash Point (COC) °F (°C): 430 (221)

Autoignition Temperature °F(°C): >500 (260)

Explosive Properties: LEL: 0.9%

Evaporation Rate (Butyl Acetate): <0.01 **UEL: 7%**

Partition Coefficient (Log Pow): Not applicable.

Vapor Pressure (kPa): <0.01

Density (g/cm³): 0.90

Flammability: Not flammable at ambient temperature.

Oxidizing Properties: None

Water Solubility: Slight to none.

Vapor Density: >5

Percent Volatiles: Nil pH: Neutral OAR Group: N/A

X. STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photoreactive agents.

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Materials to Avoid: Strong inorganic & organic acids & oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon,

nitrogen and sulfur. Residue mainly comprised of soot.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Not known.

Irritancy - Skin: Very mild.

Allergens: None Known

Skin Sensitization: Not known.

Sub-acute/Subchronic Toxicity: Not known.

Chronic Toxicity: None known.

Genotoxicity: None known. Carcinogens: None

OSHA: No

EC Classification (67/548/EEC): No

NTP: No IARC: No California Prop 65 Agents: None known.

LD-50: Not Applicable

LC-50: >2000 mg/kg (extrapolated from component data)

XII. ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause notable contamination. Nontoxic to marine or land organisms.

XIII. WASTE DISPOSAL

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice.

Container Disposal: Pails without liner see "Product Disposal." Pails with Plastic Liner - pail can only be disposed of via standard waste disposal services, recycled or reused. Liner - see "Product Disposal."

XIV. TRANSPORT INFORMATION

Not classified as hazardous for transport.

D.O.T.: Nonhazardous

UN NO.: Not Applicable

ROAD & RAIL TRANSPORT (ADR/RID): Not Applicable

SEA TRANSPORT (IMO & IMDG): Not Applicable AIR TRANSPORT (ICAO & IATA): Not Applicable

XV. REGULATORY INFORMATION

Labeling Information: None needed.

S Phrases: None applicable, as known.

R Phrases: R22 harmful if swallowed.

EC Annex 1 Classification: Not Applicable

Ozone Depleting Chemicals: N/A

CERCLA: Nonhazardous SARA 311/312: None

TSCA: All components are listed.

WHMIS (Canada): Not controlled.

Canadian DSL: All components are listed.

RCRA Hazard Class: Nonhazardous

40 CFR Part 372 (SARA Section 313): Not Applicable.

TSCA 12B Components: None

XVI. OTHER INFORMATION

SDS first issued. SDS data revised.

Signature:

New Jersey Right To Know: See Section II.

Date Issued: April 8, 2003

Prepared By: D. A. Oldiges, Technical Director

Disclaimer

The information contained herein is accurate and reliable as of the date issued to the best of JET-LUBE's knowledge. JET-LUBE® doesn't warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising from the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

MATERIAL SAFETY DÁTA SHEET

Product Name: JACKING SYSTEM GREASE Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease Address: 4849 Homestead Rd., Ste. #200 Use: Equipment lubrication Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure **Hazardous Components** CAS No. Wt% **OSHA PEL** ACGIH TLV Petroleum oil 64742525/64742570 40-60 Oil mist N/A STEL: 10mg/M3 TWA-5mg/M³ Nonhazardous Blend 3159624/68411461 20-40 UN UN UN 7782425/68511502 14807966 Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact. Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Color:Gray to BlackOdor:PetroleumpH:Neutral Boiling Range/Point °F (°C):<600 (316)</th>Flash Point (COC) °F (°C):>430 (221)Autoignition Temperature °F (°C):>500 (260) Physical State: Semisolid paste Color: Gray to Black Melting Point °F (°C): 280 (138) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 1.045 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Negligable Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temperatures. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No LC-50: >2000mg/kg—extrapolated from component data. LD-50: Not applicable Possible Effects: Unlikely to act as a marine pollutant. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms. Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without linersee Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above. Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: N/A Air Transport (ICAO & IATA): N/A Sea Transport (IMO & IMDG): N/A Road & Rail Transport (ADR/RID): N/A EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. Labeling Information: None needed S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not regulated. TSCA 12B Components: None CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges ate Issued: December 8, 2000

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COM

COMPOSITION INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION

FIRST AID MEASURES FIRE FIGHTING MEASURES VI. ACCIDENTAL RELEASE MEA VII. HANDLING AND STORAGE ACCIDENTAL RELEASE MEASURES

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

ECOLOGICAL INFORMATION XIII. WASTE DISPOSAL XIV. TRANSPORT INFORMATION XV. REGULATORY INFORMATION XVI. OTHER INFORMATION

STABILITY AND REACTIVITY

TOXICOLOGICAL INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	NΑ



MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE® NCS-30 ECF Chemical Family: Complex grease base Use: Thread lubricant and sealant.

Manufacturer/Supplier: JET-LUBE, INC. Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Other Limits of Exposure Wt% **ACGIH TLV Hazardous Components** CAS No. **OSHA PEL** Nonhazardous Blend 14807-96-6 7789-75-5 134636-7-7 74869-21-9 65996-61-4

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls.

Physical State: Semisolid paste Color: Beige Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): UN Melting Point °F (°C): >400 (204) Flash Point (COC) °F (°C): >430 (221) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 V.O.C. Content: Nil Density (g/cm³): 1.26 Flammability: Not flammable at ambient temperature. Water Solubility: Nil OAR Value: N/A Oxidizing Properties: None Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing & copper reactive agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known.

Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >4000mg/l - extrapolated from component data.

Possible Effects: None Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause widespread contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. S Phrases: N/A, as known. Ozone Depleting Chemicals: N/A TSCA: All components are listed. TSCA 12B Components: None WHMIS (Canada): Not controlled. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A

SARA 311/312: None CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: June 6, 2007

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE[®] does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY
- II. COMPOSITION INFORMATION ON INGREDIENTS
- III. HAZARDS IDENTIFICATION
- V. FIRST AID MEASURES FIRE FIGHTING MEASURES
- VI. ACCIDENTAL RELEASE MEASURES
- VII. HANDLING AND STORAGE VIII. EXPOSURE CONTROL/PERSONAL PROTECTION
- IX PHYSICAL AND CHEMICAL PROPERTIES
- STABILITY AND REACTIVITY
- XI. TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- XIII. WASTE DISPOSAL
- XV. REGULATORY INFORMATION
- XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	0
FLAMMABILITY	1
REACTIVITY	0
PPI	В



MATERIAL SAFETY DATA SHEET

Product Name: JET-LUBE® SEAL-GUARD™ ECF

Chemical Family: Complex grease base

Use: Thread lubricant and sealant.

Manufacturer/Supplier: JET-LUBE, INC.

Address: 4849 Homestead Rd., Ste. #200

Houston, TX, 77028 USA Phone: 713-674-7617 Emergency Phone: 713-674-7617 Fax: 713-678-4604

Chemtrec 24 hours (USA): 800-424-9300

Hazardous Components

CAS No. 74869-21-9 Wt%

ACGIH TLV

Other Limits of Exposure

No hazardous compounds

7789-75-5

OSHA PEL

Lubricating grease

74869-21-9

7440-44-0: 65996-61-4

(No carcinogens)

Main Hazards-Health Effects

Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea.

Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact.

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse.

Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus.

Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: None Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth.

Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.

Respiratory Protection: None needed. Eye Protection: Glasses, if applied to parts in motion. Hand Protection: Protective gloves for hypersensitive persons.

Body Protection: Overalls.

Physical State: Semi-solid paste Color: Dark Gray to Black Odor: Canola pH: Neutral Boiling Range/Point °F (°C): UN Flash Point (COC) °F (°C): >430 (221) Melting Point °F (°C): >400 (204) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): <1 Vapor Pressure (kPa): <0.01 Percent Volatiles: Nil Density (g/cm³): 1.28 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Nil Vapor Density: >5

Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides.

Acute Toxicity: Not known. Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Classification (67/548/EEC): No Allergens: None known. LC-50: >4000mg/kg—extrapolated from component data. LD-50: N/A

Behavior: Relatively well behaved. Bioaccumulation potential nil.

Environmental Fate: Highly unlikely to cause noteable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via

standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: R22--harmful if swallowed. S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A WHMIS (Canada): Not controlled. RCRA Hazard Class: Nonhazardous SARA 311/312: None CERCLA: Nonhazardous TSCA 12B Components: None

SDS first issued. SDS data revised. New Jersey Right To Know: See Section II

Signature: Prepared by: Donald A. Oldiges Date Issued: December 6, 2007

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE[®] does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- DENTIFICATION OF THE SUBSTANCE/P
- COMPOSITION INFORMATION ON INGREDIENTS
- HAZARDS IDENTIFICATION
- FIRST AID MEASURES
- V. VI. FIRE FIGHTING MEASURES
- ACCIDENTAL RELEASE MEASURES
- HANDLING AND STORAGE
- VIII. EXPOSURE CONTROL/PERSONAL PROTECTION
- PHYSICAL AND CHEMICAL PROPERTIES
- STARILITY AND REACTIVITY TOXICOLOGICAL INFORMATION
- ECOLOGICAL INFORMATION
- WASTE DISPOSAL XIV TRANSPORT INFORMATION
- REGULATORY INFORMATION XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	В



JET-LUBE, INC. MATERIAL SAFETY DATA SHEET

Product Name: SULFONA Chemical Family: Petroleum b Use: Rust inhibiting compound	pased lubricating grease.	E	Address: 4849 Hous Emergency Ph	Homestead Rd., Ste ston, TX, 77028 USA one: 713-674-7617 ours (USA): 800-424	. #200 <u>Phone:</u> 713-674-76 <u>Fax:</u> 713-678-4604
Hazardous Components Petroleum Oil	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Calcium Sulfonates	64742525/64742570 26264062/3159624 57855773	40-60 40-60	Oil mist TWA-5mg/m³ UN	N/A UN	STEL: 10mg/M³
Nonhazardous Blend	471341	2-5	UN	UN	UN
Main Hazards-Health Effects Eyes: May cause irritation. Inl Skin: Possible rash for persons		may block bre	athing passages if inh	aled. <u>Ingestion:</u> Ma	ay cause diarrhea.
Eyes: Flush with water until all r respiratory difficulty continues, se soap & water. Contaminated clot Extinguishing Media: Foam, dr Unsuitable Extinguishing Medi	eek medical help. <u>Ingest</u> thing should be dry cleane ry powder, Halon [®] , carbor	on: Consult ped before reuse dioxide, sand	ohysician. <u>Skin:</u> Wa	sh thoroughly with ha	nd cleanser, followed
Personal Precautions: Wear gl	loves & protective overalls	. Environme	ntal Precautions: Do	not allow it to enter o	drains.
Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures.					
Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Body Protection: Overalls.					
Physical State: Semisolid gel Melting Point °F (°C): 430 (221 Explosive Properties: LEL: 0. Vapor Pressure (kPa): <0.01 OAR Value: N/A Oxidizing Pro-	1) Flash Point (COC) ° 9% UEL: 7% Evapor Percent Volatiles: Nil	F (°C): 430 (2 ation Rate (B Density (g/c	21) Autoignition utyl Acetate): <0.01 (m³); 1.0 Flammabili	Temperature °F (°C Partition Coefficie	:): >500 (260) ent (Log Pow): N/A : ambient temperature
<u>Stability:</u> Chemically stable unde temperatures. <u>Materials to Avoic</u> generates smoke, airborne soot, h	d: Strong inorganic & orga	inic acids, oxid	izing agents. Hazardo	us Decomposition F	Products: Burning
Acute Toxicity: Not known. Subacute/Sub-chronic Toxicity: California Prop 65: N/A Cal LC-50: >2000mg/kg-extrapolated	rcinogen: NTP: No IA	Genotoxicit	<u>y:</u> None known. IA: No <u>EC (</u>	ation: Not known. Chronic Toxic Classification (67/54 rgens: None known.	
Possible Effects: In extreme casualikely. Behavior: Relatively we contamination. Nontoxic to marin	ell behaved. Bioaccumula				
David (D)	rate. Contact waste dispo	sal company			
Product Disposal: Do not incine iner-see Product Disposal section or reused. <u>Liner</u> -see Product Disposal section or reused. <u>Liner</u> -see Product Disposal section or reused.	n above. Pails with plasti	<u>c liner</u> –pail ma	y only be disposed of	via stalldard waste di	
liner-see Product Disposal section	n above. Pails with plasting posal section above. ansport. D.O.T.: Nonhaz	ardous <u>UN N</u>	lo.: Nonhazardous A	Air Transport (ICAO	isposal services, recy
liner-see Product Disposal section or reused. Liner-see Product Disposal Sea Transport (IMO & IMDG): Labeling Information: None ne S Phrases: None applicable, as WHMIS (Canada): Not controlled	n above. <u>Pails with plasting</u> posal section above. ansport. <u>D.O.T.:</u> Nonhaz Nonhazardous <u>Road & EC Annex 1 Cla</u> known. <u>Ozone Depletir</u>	cardous <u>UN N</u> Rail Transpor ssification: Note the components	Io.: Nonhazardous <u>A</u> t (ADR/RID): Nonhaz Not Applicable. <u>R Ph</u> Not applicable. <u>TS</u> listed. <u>40 CFR Part :</u>	Air Transport (ICAO cardous rases: R22—harmfu CA: All components 872 (SARA Section :	& IATA): Nonhazard If swallowed. are listed.

Signature: \(\(\) Prepared by: Donald A. Oldiges Date Issued: November 13, 2003

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND

- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION FIRST AID MEASURES
 FIRE FIGHTING MEASURES

- FIRE FIGHTING MEASURES
 ACCIDENTAL RELEASE MEASURES
 HANDLING AND STORAGE
 EXPOSURE CONTROL/PERSONAL PROTECTION
 PHYSICAL AND CHEMICAL PROPERTIES
 STABILITY AND REACTIVITY
 TOXICOLOGICAL INFORMATION
 ECOLOGICAL INFORMATION
 WASTE DISPOSAL
 TRANSPORT INFORMATION
 REGULATORY INFORMATION
 OTHER INFORMATION
 OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPI	NΑ



MATERIAL SAFETY DATA SHEET

Product Name: TENSIONER GREASE Manufacturer/Supplier: JET-LUBE, INC. **Chemical Family:** Synthetic lubricant Address: 4849 Homestead Rd., Ste. #200 Use: Lubricant for bearings, actuator screws, & other airframe Houston, TX, 77028 USA Phone: 713-674-7617 equipment Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure OSHA PEL ACGIH TLV **Hazardous Components** CAS No. Wt% 68441667/7620771 N/A Nonhazardous Blend 60-100 N/A STEL: N/A 68037014/68411461 68511502/68649423 Main Hazards-Health Effects Inhalation: Viscous nature may block breathing passages if inhaled. Eves: May cause irritation. Ingestion: May cause diarrhea. Skin: Possible rash for persons with hypersensitivity. Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. EnvironmenStal Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Protective gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. Body Protection: Overalls. Physical State: Semisolid gel Color: Beige Odor: Pungent pH: Neutral Boiling Range/Point °F (°C): >600 (316) Melting Point °F (°C): 624 (329) typ. Flash Point (COC) °F (°C): >435 (224) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A Vapor Pressure (kPa): <0.01 % Volatiles: Nil Density (g/cm³): 0.88 Flammability: Not flammable at ambient temperature. OAR Value: N/A Oxidizing Properties: None Water Solubility: Not soluble Vapor Density: >5 Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition & extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons & oxides of carbon. Residue mainly comprised of soot & mineral oxides Acute Toxicity: Not known. Irritancy-Skin: Not known Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known. Genotoxicity: None known. Chronic Toxicity: None known. California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Class (67/548/EEC): No Allergens: None known. LC-50: >4000mg/l-extrapolated from component data (mysidopsis bahia). LD-50: N/A Possible Effects: Behavior: Relatively well behaved. Bioaccumulation almost nil.

Environmental Fate: Highly unlikely to cause noteable contamination. Nontoxic to marine or land organisms.

Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above.

Not classified as hazardous for transport. D.O.T.: Nonhazardous UN No.: Nonhazardous Air Transport (ICAO & IATA): Nonhazardous Sea Transport (IMO & IMDG): Nonhazardous Road & Rail Transport (ADR/RID): Nonhazardous

Labeling Information: None needed EC Annex 1 Classification: Not Applicable. R Phrases: R22—harmful if swallowed. S Phrases: None applicable, as known. Ozone Depleting Chemicals: Not applicable. TSCA: All components are listed. WHMIS (Canada): Not controlled Canadian DSL: All components listed. 40 CFR Part 372 (SARA Section 313): N/A CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous SARA 311/312: None TSCA 12B Components: None

WASTE DISPOSAL

TRANSPORT INFORMATION REGULATORY INFORMATION OTHER INFORMATION

SDS data revised. New Jersey Right To Know: See Section II

Prepared by: Donald A. Oldiges Date Issued: July 29, 2004

As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION FIRST AID MEASURES FIRE FIGHTING MEASURES HANDLING AND STORAGE EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION ECOLOGICAL INFORMATION

NFPA SYMBOL N/A

HMIS SYMBOL

0

1

HEALTH

FLAMMABILITY

REACTIVITY

JET-LUBE, INC. MATERIAL SAFETY DATA SHEET



	Product Name: TF-15® Cond Chemical Family: Petroleum ba	centrate	TSB-15		Supplier: JET-LUBE 9 Homestead Rd., St	
_	Use: Tubing, casing and line pi			Hou	iston, TX, 77028 US/	A Phone: 713-674-7617
					none: /13-6/4-/61/ hours (USA): 800-	<u>Fax:</u> 713-678-4604 424-9300
	Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
	Petroleum oil Nonhazardous Blend	64741964/64742570 82980549/7620771	40 - 60 30-60	Oil mist UN	N/A UN	STEL: 10mg/M³ UN
Ħ	, 1101111111111111111111111111111111111	12001262/9002840	30 33		U. 1	5. .
A	Main Hazards-Health Effects Eyes: May cause irritation. Int	alation: Viccous nature	a may block breat	hing passages if i	nhaled Ingestion:	May cause diarrhea
E	Skin: Possible rash for persons		e may block breat	mily passages ii i	milaleu. <u>migestion.</u>	iviay cause diarriea.
	Eyes: Flush with water until all r respiratory difficulty continues, se					
	with hand cleanser, followed by					Skin: wash thoroughly
	Extinguishing Media: Foam, d Unsuitable Extinguishing Med					athing apparatus.
8	Personal Precautions: Wear g Spillage: Scrape up bulk, then w					
	Handling: No special handling p	orecautions necessary.	Storage: Do not	store at elevated t	temperatures.	
ě	Respiratory Protection: None Eye Protection: Glasses, if app	needed. lied to parts in motion.	Hand Protecti Body Protecti		loves for hypersensit	ive persons.
X	Physical State: Grainy, Semiso Melting Point °F (°C): >450 (2 Explosive Properties: LEL: 0. Vapor Pressure (kPa): <0.01	32) Flash Point (COC 9% UEL: 7% Evapor Percent Volatiles: Nil	c) °F (°C): >430 (ration Rate (Buty Density (g/cm³	221) <u>Autoign</u> <u>I Acetaté):</u> <0.0 <u>):</u> 1.21 <u>Flamma</u>	ition Temperature ° 1 Partition Coeffic ability: Not flammable	F (°C): >500 (260)
	OAR Value: N/A Oxidizing Pro			Vapor Density: >		Description of
A	<u>Stability:</u> Chemically stable unde ignition & extreme temperatures.	Materials to Avo	id: Strong inorga	nic & organic acid	ds, oxidizing agents.	Powerful sources of
	Hazardous Decomposition Procarbon, sulfur & nitrogen. Residu				bons, fluorinated gas	ses, and oxides of
Ă	Acute Toxicity: Not known.	Irritancy-Skin: \	Very mild.	Skin Sensiti:	zation: Not known.	
X	Subacute/Sub-chronic Toxicity California Prop 65: N/A Car	: Not known. cinogen: NTP: No IA	Genotoxicity: ARC: No OSHA:		Chronic Toxi EC Class (67/	city: None known. 548/EEC): No
	Allergens: None known. LC-	50: 1.98g/lt-(mysidopsis	bahia) based on a	ssessment from re		LD-50: N/A
N EX	Possible Effects: In extreme cas Behavior: Relatively well behave					
	Product Disposal: Do not incine Container Disposal: Pails without	<u>ut liner</u> -see Product Disp	oosal section abov	e. Pails with plas	<u>tic liner</u> -pail may on	y be disposed of via
	standard waste disposal services.					/ICAO 2 IATA). NI/A
	Not classified as hazardous for tr Sea Transport (IMO & IMDG): 1	N/A Road & Rail Tran		N/A		(ICAO & IATA): N/A
	<u>Labeling Information:</u> None ne <u>S Phrases:</u> N/A, as known.	eded <u>EC Ann</u> Ozone Depleting	ex 1 Classification Chemicals: N//		<u>Phrases:</u> R22—harn CA: All components:	
X	WHMIS (Canada): Not regulated	. Canadian DSL: A	All components list	ed. TSC	CA 12B Component	s: None
À	40 CFR Part 372 (SARA Section				ss. Normazardous	SARA STIISTZ: NORE
12	SDS first issued. SDS data revi	ised. <u>New Jersey Righ</u>	L TO KITOW. See	OCCUON II		

Signature: \(\(\) Prepared by: Donald A. Oldiges Date Issued: January 15, 2003

As of issue date, the information contained herein is accurate and As or issue date, the information contained nerein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE' does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Composition information on ingredients Hazards identification

FIRST AID MEASURES
FIRE FIGHTING MEASURES

ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE

VII. VIII.

EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY
TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

Waste Disposal
Transport information
Regulatory Information

XV. REGULATORY INFORM XVI. OTHER INFORMATION

HMIS SYMBOL

HEALTH	1
FLAMMABILITY	1
REACTIVITY	1
PPI	В



JET-LUBE, INC. MATERIAL SAFETY DATA SHEET

Product Name: ROYAL PU Chemical Family: Parasynthe Use: Equipment lubrication			Address: 4849 Hous Emergency Ph		te. #200 A <u>Phone:</u> 713-674-7617 7 <u>Fax:</u> 713-678-4604
Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Other Limits of Exposure
Base fluids	64742525/68037014	60-100	Oil mist	N/A	N/A
Nonhazardous Blend	68187848 94166877/26780961 9003296	5-10	TWA-5mg/M³ UN	UN	UN
Main Hazards-Health Effect Eyes: May cause irritation. J. Skin: For hypersensitive perse Eyes: Flush with water until al	nhalation: Viscous nature ons, may irritate the skin at	fter prolonged	periods of contact.		•
difficulty continues, seek medic cleanser, followed by soap & w	al help. Ingestion: Wash	out mouth imn	nediately. Consult ph	ysician. Skin: Wa	
Extinguishing Media: Foam, Protective Equipment for Fi				Unsuitable Extir	nguishing Media: Water jet.
Personal Precautions: Wear up bulk, then wipe up remainde					
Handling: No special handling	precautions necessary.	Storage: Do n	ot store at elevated t	emperatures.	
Respiratory Protection: Non applied to parts in motion. Bo	e needed. Hand Protecti dy Protection: Overalls.	on: Protective	gloves for hyperser	nsitive persons. Ey	e Protection: Glasses, if
Physical State: Adhesive Sen Melting Point °F (°C): 500 (2 Explosive Properties: LEL: Vapor Pressure (kPa): <0.01 OAR Value: N/A Oxidizing P	60) typical Flash Point (0.9% UEL: 7% Evapor Percent Volatiles; Nil	COC) °F (°C); ation Rate (B Density (g/o	>430 (221) <u>Auto</u> utyl Acetate): <0.0	oignition Temperat Partition Coeffice State of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th	ure °F (°C): >500 (260)
Stability: Chemically stable untemperatures. Materials to Agenerates smoke, airborne soo	void: Strong inorganic &	organic acids,	oxidizing agents. Ha	azardous Decompo	osition Products: Burning
Acute Toxicity: Not known. Genotoxicity: None known. CEC Classification (67/548/EEC	Irritancy-Skin: Very mile hronic Toxicity: None kn): No LC-50: >4000mg/l-	own. Californ	ia Prop 65: N/A Ca	rcinogen: NTP:	chronic Toxicity: Not know No IARC: No OSHA: No cable
Possible Effects: None Behavior: Relatively well beha Environmental Fate: Highly u			n. Nontoxic to marine	e or land organisms	
Product Disposal: Do not inc liner-see Product Disposal sect or reused. <u>Liner</u> -see Product I	ion above. Pails with plas				
Not classified as hazardous for Sea Transport (IMO & IMDG):			lo.: Nonhazardous Transport (ADR/RII		O & IATA): Nonhazardous
Labeling Information: None is S Phrases: None applicable, a WHMIS (Canada): Not control CERCLA: Nonhazardous	is known. Ozone Depletir	ng Chemicals: All components	listed. 40 CFR Part	mponents are listed 372 (SARA Section	SARA 311/312: None

Signature: 5 Prepared by: Donald A. Oldiges Date Issued: October 1, 2004

SDS first issued.

As of issue date, the information contained herein is accurate and reliable to the best of **JET-LUBE'S** knowledge. **JET-LUBE®** does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

LEGEND COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION FIRST AID MEASURES FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES VII. VIII. HANDLING AND STORAGE EXPOSURE CONTROL/PERSONAL PROTECTION IX. XI. XII. PHYSICAL AND CHEMICAL PROPERTIES

STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION

ECOLOGICAL INFORMATION WASTE DISPOSAL TRANSPORT INFORMATION REGULATORY INFORMATION XVI. OTHER INFORMATION

SDS data revised. New Jersey Right To Know: See Section II

NFPA SYMBOL

HMIS SYMBOL

1

В

FLAMMABILITY

REACTIVITY

HEALTH

PPI

MATERIAL SAFETY DATA SHEET

Product Name: WHITE LITHIUM GREASE Manufacturer/Supplier: JET-LUBE, INC. Chemical Family: Petroleum based lubricating grease Address: 4849 Homestead Rd., Ste. #200 Use: Equipment lubrication. Houston, TX, 77028 USA Phone: 713-674-7617 Qualifications: USDA H-2 Emergency Phone: 713-674-7617 Fax: 713-678-4604 Chemtrec 24 hours (USA): 800-424-9300 Other Limits of Exposure Hazardous Components ACGIH TLV CAS No. Wt% OSHA PEL 64742525/64742014 60-100 STEL: 10mgM3 Petroleum Oil Oil Mist N/A TWA-5mg/M³ Nonhazardous Blend 9002840/28689665 10-20 UN IN UN 10mg/M³ 15mg/M³ LN 1314132/13463677 8 7620771 64742898/110543 68476857 Petroleum Solvent (aerosol) TWA 400 ppm 300 ppm 1,000 ppm STEL: 400 ppm 20-50 Hydrocarbon Propellant (aerosol) 25 1,000 ppm Main Hazards-Health Effects Eyes: May cause irritation. Inhalation: Viscous nature may block breathing passages if inhaled. Ingestion: May cause diarrhea. Skin: For hypersensitive persons, may irritate the skin after prolonged periods of contact. Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help. Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help. Ingestion: Wash out mouth immediately. Consult physician. Skin: Wash thoroughly with hand cleanser, followed by soap & water. Contaminated clothing should be dry cleaned before reuse. Extinguishing Media: Foam, dry powder, Halon®, carbon dioxide, sand, earth & water mist. Unsuitable Extinguishing Media: Water jet. Protective Equipment for Fire fighting: Self-contained breathing apparatus. Personal Precautions: Wear gloves & protective overalls. Environmental Precautions: Do not allow it to enter drains. Spillage: Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth. Handling: No special handling precautions necessary. Storage: Do not store at elevated temperatures. Respiratory Protection: None needed. Hand Protection: Nitrile gloves for hypersensitive persons. Eye Protection: Glasses, if applied to parts in motion. **Body Protection:** Overalls. Physical State: Semisolid paste Color: White/Ivory Odor: Petroleum pH: Neutral Boiling Range/Point °F (°C): <600 (316) Melting Point °F (°C): 392 (200) Flash Point (COC) °F (°C): 430 (221) Autoignition Temperature °F (°C): >500 (260) Explosive Properties: LEL: 0.9% UEL: 7% Evaporation Rate (Butyl Acetate): <0.01 Partition Coefficient (Log Pow): N/A % Volatiles: Bulk Nil Aero 75% Density (a/cm³): 0.95 Flammability: Bulk Nonflammable Vapor Pressure (kPa): <0.01 OAR Value: Bulk N/A Aero 5 Oxidizing Properties: None Water Solubility: Slight Vapor Density: >5 Aero Flammable Stability: Chemically stable under normal conditions. No photoreactive agents. Conditions to Avoid: Powerful sources of ignition and extreme temps. Materials to Avoid: Strong inorganic & organic acids, oxidizing agents. Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur & nitrogen. Residue mainly comprised of soot & mineral oxides. Acute Toxicity: Possible-Mild Irritancy-Skin: Very mild. Skin Sensitization: Not known. Subacute/Sub-chronic Toxicity: Not known Genotoxicity: None known Chronic Toxicity: None known California Prop 65: N/A Carcinogen: NTP: No IARC: No OSHA: No EC Class (67/548/EEC): No Allergens: None known LC-50: >2000mg/kg-extrapolated from component data (Mysidopsis Bahia) LD-50: N/A Possible Effects: In extreme cases, may generate oil fractions that could act as a marine pollutant, which are highly unlikely. Behavior: Relatively well behaved. Bioaccumulation potential nil. Environmental Fate: Highly unlikely to cause contamination. Nontoxic to marine or land organisms. Product Disposal: Do not incinerate. Contact waste disposal company or local authority for advice. Container Disposal: Pails without liner-see Product Disposal section above. Pails with plastic liner-pail may only be disposed of via standard waste disposal services, recycled or reused. Liner-see Product Disposal section above. Aerosols-consult local authority. D.O.T.: Bulk Nonhazardous Aero UN1950 UN No.: Bulk Nonhazardous Aero 195, Class 2.1 Air Transport (ICAO & IATA): Bulk Nonhazardous Aero Hazardous-pressurized container Sea Transport (IMO & IMDG): Bulk Nonhazardous Aero UN1950 Class 2 Road & Rail Transport (ADR/RID): Bulk Nonhazardous Aero UN1950 Class 2.1 <u>Labeling Information:</u> None needed <u>EC Annex 1 Class:</u> N/A <u>R Phrases:</u> R22—harmful if swallowed. S Phrases: Bulk N/A TSCA 12B Components: None TSCA: All components are listed. WHMIS (Canada): Not regulated. Canadian DSL: All components listed. SARA 311/312: None 40 CFR Part 372 (SARA Section 313): Zinc oxide CERCLA: Nonhazardous RCRA Hazard Class: Nonhazardous New Jersey Right To Know: See Section II LEGEND

Just But Signature: 1 Prepared by: Donald A. Oldiges Date Issued: February 24, 2005

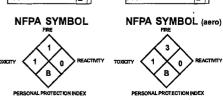
As of issue date, the information contained herein is accurate and reliable to the best of JET-LUBE'S knowledge. JET-LUBE® does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the user's responsibility to satisfy itself that the information offered for its consideration is suitable for its particular use.

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY COMPOSITION INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION FIRST AID MEASURES FIRE FIGHTING MEASURES ACCIDENTAL RELEASE MEASURES HANDLING AND STORAGE EXPOSURE CONTROL/PERSONAL PROTECTION PHYSICAL AND CHEMICAL PROPERTIES STABILITY AND REACTIVITY TOXICOLOGICAL INFORMATION ECOLOGICAL INFORMATION WASTE DISPOSAL

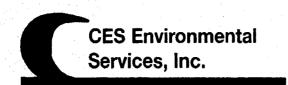
TRANSPORT INFORMATION REGULATORY INFORMATION

XVI. OTHER INFORMATION

HMIS SYMBOL	HMIS SYMBOL	_ (ae
HEALTH 1	HEALTH	1
FLAMMABILITY 1	FLAMMABILITY	3
REACTIVITY 0	REACTIVITY	0
PPI B	PPI	В



2937 Aften chemical corporation



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2937

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 348 perofrmance additive **Container Type:**

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: yellow

Odor: sulfurous

pH: neutral

Physical State:

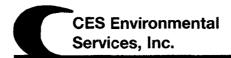
Incompatibilities: strong oxidizers Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

JB

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mater	rial <u>Producer Inform</u>	ation			
Company:	Afton Chemical Co				
Address:	501 Monsanto Ave	nue			
City, State, Zip:	Suget, Il 66201				
Contact:	Ed Cox		Title:		
Phone No:	(618) 583-1078		Fax No:	(618) 583	-1388
24/hr Phone:	(618) 583-1078				
U.S. EPA I.D. No:	na				
State I.D.	na		SIC Code:	na	
SECTION 2: Billing	g Information – 🔀 S	ame as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:		Fax N	vo:		
GEOGRADA C	175 1 4 4 4 4	B.C			
SECTION 3: Gener	ral Description of the	Material / Product			
Detailed Description	Product: Hitee 'n of Process Generati	ng or Producing the I	Material / Product:		
ing sieur seuce.	☐ Solid	☐ Filter Cake	Combinatio	n	
Color: Yellow	O	dor: <u>Sulfurou</u>	17		
Specific Gravity (wa	nter=1): _,959	Density: lbs/	/gal		
Does this material co	ontain any total phen	olic compounds?	Yes No		
Does this material co	ontain any para subs	tituted phenolic comp	oounds? Yes	No	
Layers:	☐ Single-phase	Multi-pha	se		
Container Type:	□ Drum	☐ Tote	Truck	П	Other (explain)
				_	
Container Size:	<u>55 gal</u>				
Frequency:	☐ Weekly	☐ Monthly	☐ Quarterly	P	Yearly
Number of Units (co		Other:	_ · · ·	<u>—</u>	•
TAMES OF CHIES (CO		2 1 1			
	_	1 modul			<u> </u>
Proper U.S. DOT Si	nipping Name:	Non RCRA Non	DOT Regulated Ma	terial	
Class: na	UN/NA	na na	PG: na		RQ: na

Flash Point	pH Nousee	N/A	N/A	Solids %
Oil&Grease ارجنی mg/l	TOC LUSOO _{mg/l}	Zinc mg/l	Copper O mg/l	Nickel O mg/l

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
LIO MARIM	19-18-9	4"
Meth Ac my LAte Coopalymer (D)	5-7.9	ala
Albyl polysulfides	1-4-4	a("
Long Chain Albyl Aminos	1-4-7	œ,
Alker mus phase	1-49	4 %
-ong-chair Alkyl Amire	1-4-9	ජැප
SECTION 5: Safety Related Data		7

If the handling of this material / product requires the use of special protective equipment, please explain. Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. $\underline{\text{HiTEC 348 MSDS}}$

SECTION 7: Incompatibilities

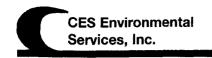
Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

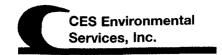
The information contained herein is based on \square generator knowledge attached description is complete and accurate to the best of my knowledge of composition properties exist and that all known or suspected are representative of all materials described by this document.	nowledge and ability to determine that no deliberate or willful
Authorized Signature:	Date:
Printed Name/Title:	

CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Technical Manager: Political Manager:
Date: S'-ZI-O8 Approved Rejected
Approval Number: 2937



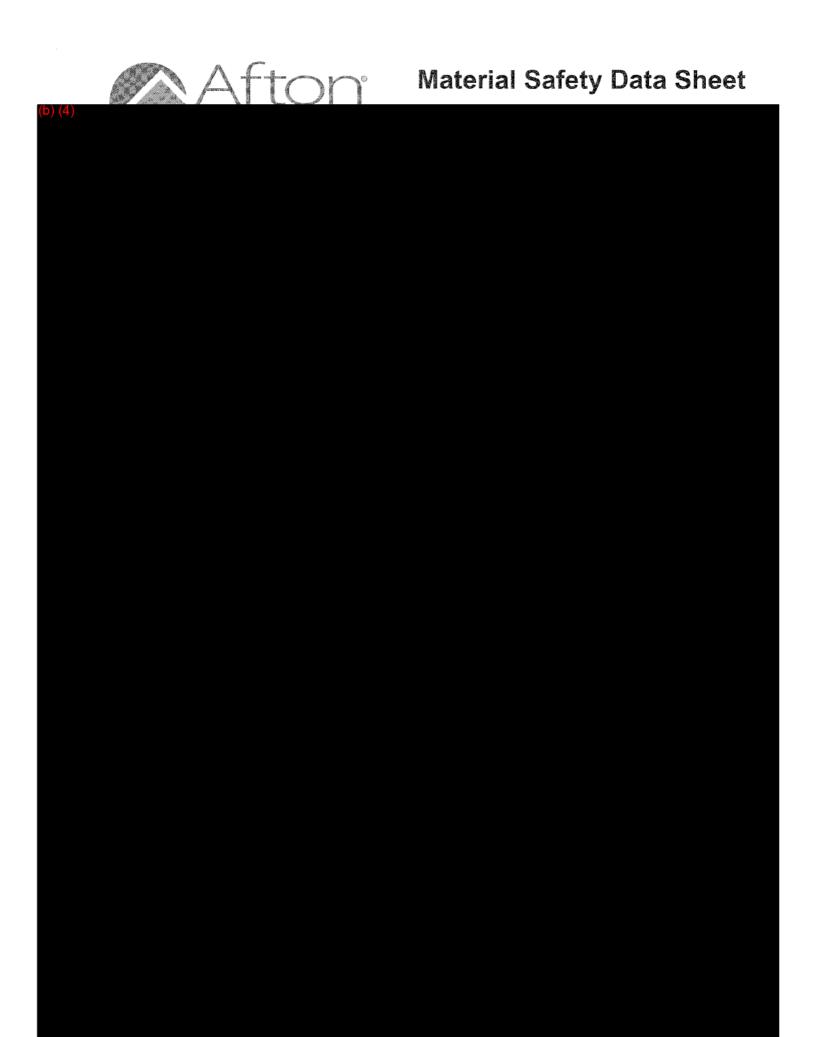
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Base Pricing (including freight): If brought in By CES on PCI back have: no charge/ no payment. If brought in by ontside transporter at customer expanse: pay \$0.15/get
	no payment.
	If brought in by outside transporter at choromer expanse?
	pay \$ 0.15/get
	1 0 7 3 .
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	Rocard quantity in each down. Number each drum and record amount and product type on inventory
	and record amount and product type on invendory
	Us.
	0.0
_	
5.	Treatment and Handling Protocol:
	Once invendory has been given to product seles, the material will be resold so is, according to
	the material will be resold so is, according to
	directed by product sales person.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

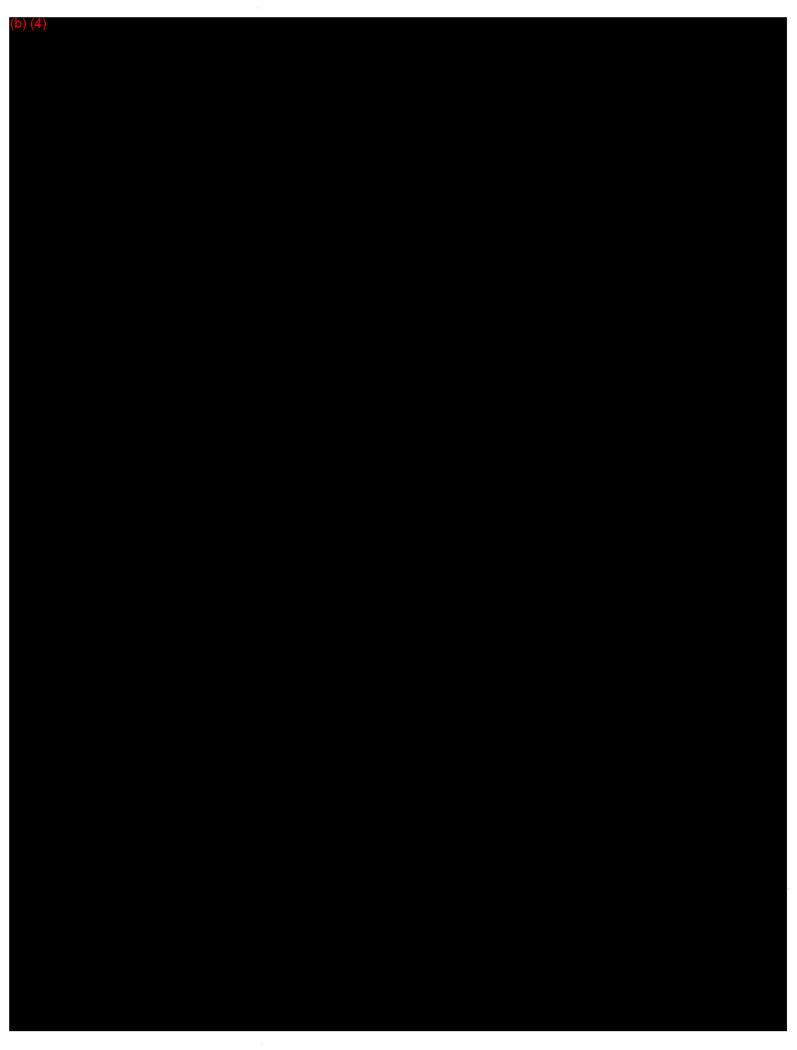


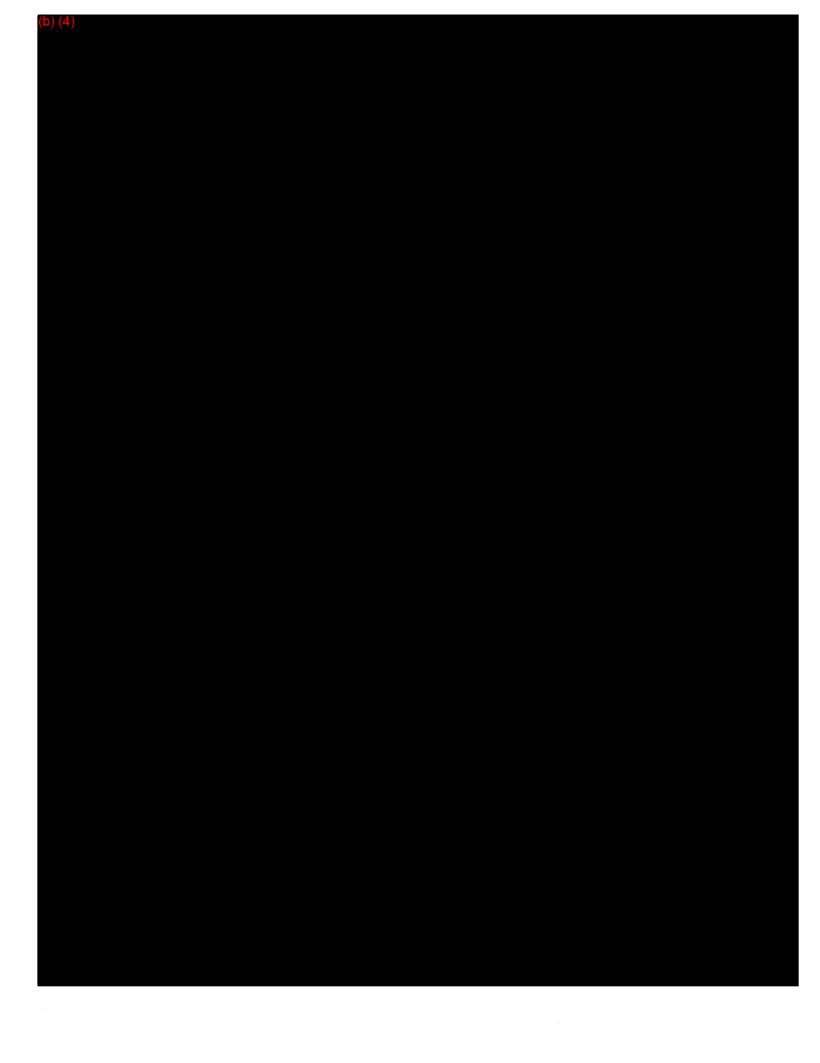
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	1ests for Froduct Recovered/Recycled (if applicable):
	See Special festing requirements
8.	Management for Product Recovered/Recycled (if applicable);
	- 500 treatment & nandling protocol



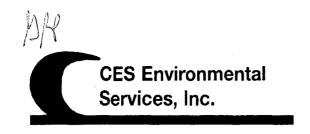








*** END OF MSDS ***



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460



Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the Modified profile, then rejection or additional charges may apply.

2937 **CES Profile #**

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 848 perofemance additive Additive - Non RERA /Non DOT

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product _____

Color: yellow

Odor: sulfurous

pH: neutral

Physical State:

Incompatibilities: strong oxidizers Safety Related Data/Special Handling:

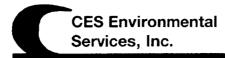
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

JB

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information Company: Afton Chemical Corportation Address: 501 Monsanto Avenue Suget, Il 66201 City, State, Zip: Title: Contact: Ed Cox (618) 583-1388 Phone No: (618) 583-1078 Fax No: 24/hr Phone: (618) 583-1078 U.S. EPA I.D. No: SIC Code: State I.D. na na SECTION 2: Billing Information –

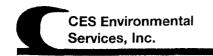
Same as Above Company: Address: City, State, Zip: Title: **Contact:** Fax No: Phone No: SECTION 3: General Description of the Material / Product Name of Material / Product: Additives - Non RCRA/Non OoT Detailed Description of Process Generating or Producing the Material / Product: Out of DAK Product / Off - Spec product Liquid ☐ Sludge Powder **Physical State:** Solid Filter Cake **Combination** Odor: Vanizo Density White bs/gal Specific Gravity (water=1): Visible Does this material contain any total phenolic compounds? Yes No Does this material contain any para substituted phenolic compounds? Yes **V** Single-phase Multi-phase Layers: Other (explain) **Container Type:** Drum Tote Truck **Container Size:** 55 gal Yearly Frequency: Weekly . Monthly Quarterly Number of Units (containers). Non RČRA Non DOT Regulated Material **Proper U.S. DOT Shipping Name:** UN/NA: PG: RO: Class: na na na

Flash Point	p ^H 3−11	N/A	N/A		Solids
Oil&Grease 7 <u>। र्ड</u> ुप्ट mg/l	TOC LISOng/l	Zinc mg/l	Copper mg/l	Nickel ©	mg/l
SECTION 4: Physic	al and Chemical	<u>Data</u>			
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See Mios M SECTION 5: Safery	Kelated Data	, e			
If the handling of this Standard	material / produ	ict requires the 22 of sp	ecial protective eq	uipment, please	explain.
SECTION 6: Attach	ed Supporting De	ocuments			
List all documents, no Hitec MSDS	otes, data, and/or located ov	analysis attached to this Shared drive	form as part of the	e material / proc MSDS: A f	luct profile. ∱&∩
SECTION 7: Incomp	atibilities				
Please list all incompa Strong Oxidizers	ntibilities (if any)	:			
SECTION 8: Materia	al Producer's Ce	rtification			
attached description is omissions of composit	complete and action properties exi	ccurate to the best of my	knowledge and ab suspected hazards h	ility to determin	ereby certify that the above and the that no deliberate or willfu ed. I certify that the materials
Authorized Signature	: No 5	signature requi	red-product	Date:	
Printed Name/Title:		V		_	
CES USE ONLY (DO NOT Technical Manager:	_				

Rejected

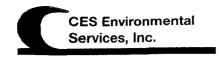
Date: S-71-08 Approved

Approval Number: 2937



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	If brought in By CES on PCI backhaul: no charge
	no payment.
	If brought in by ontside transporter at chosomer expense!
	no payment. If brongered in by ontside transporter at customer expense! pay \$0.15/get Pay \$0.019/pound
2.	Contamination Limits (maximum limit before surcharges apply):
	It drums one damosed and one in an overfrech then it
	operations determines too many man havers are needed to recover the material then there will be and payment
	to preover the material them that with my payment
3.	Surcharge Pricing:
4.	Special Testing Requirements:
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5. 	Treatment and Handling Protocol:
	Once invendory has been given to product sales,
į	the material will be resold to is, according to
	directed by product sales person.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

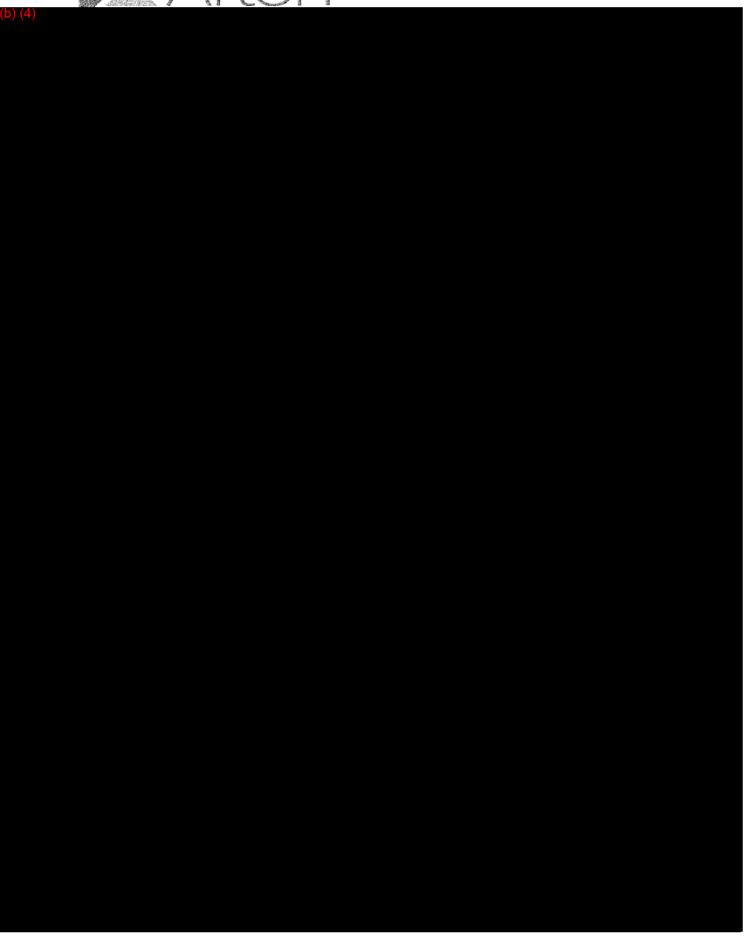


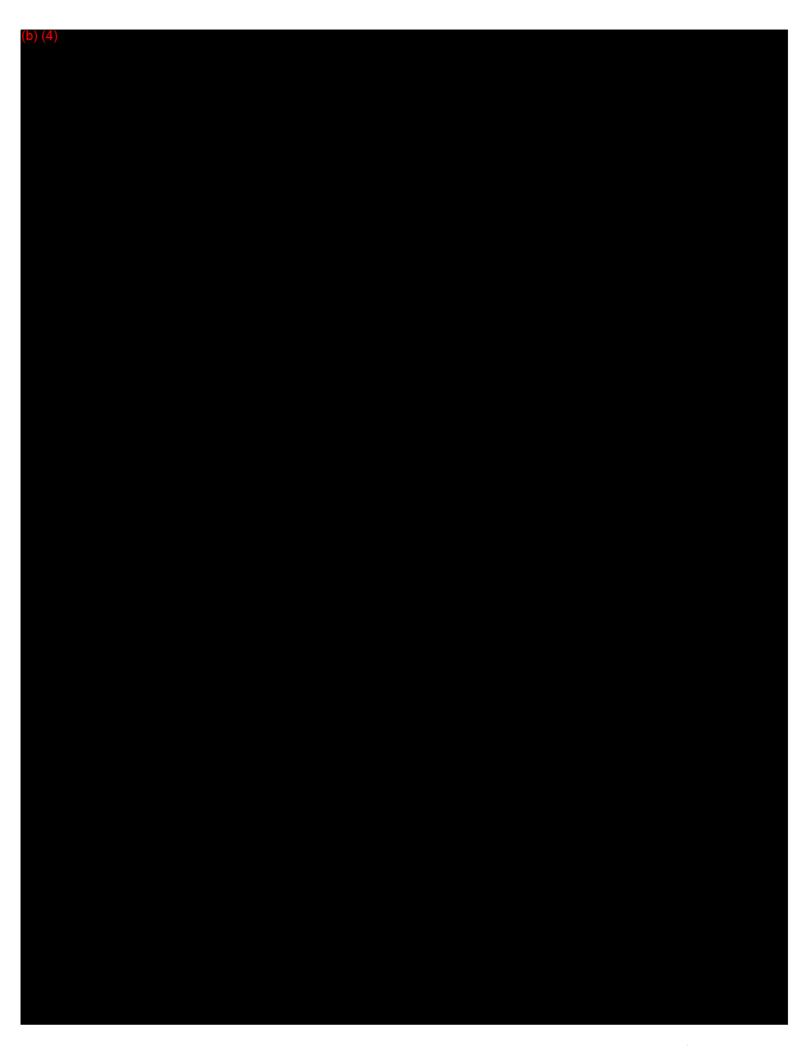
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

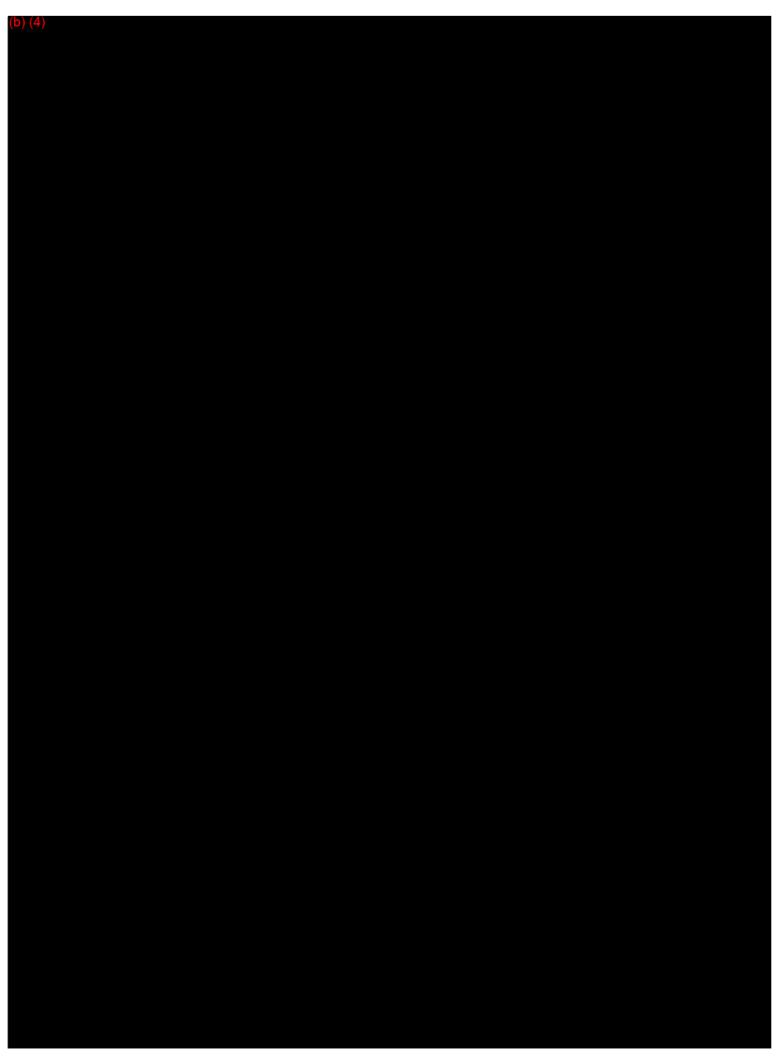
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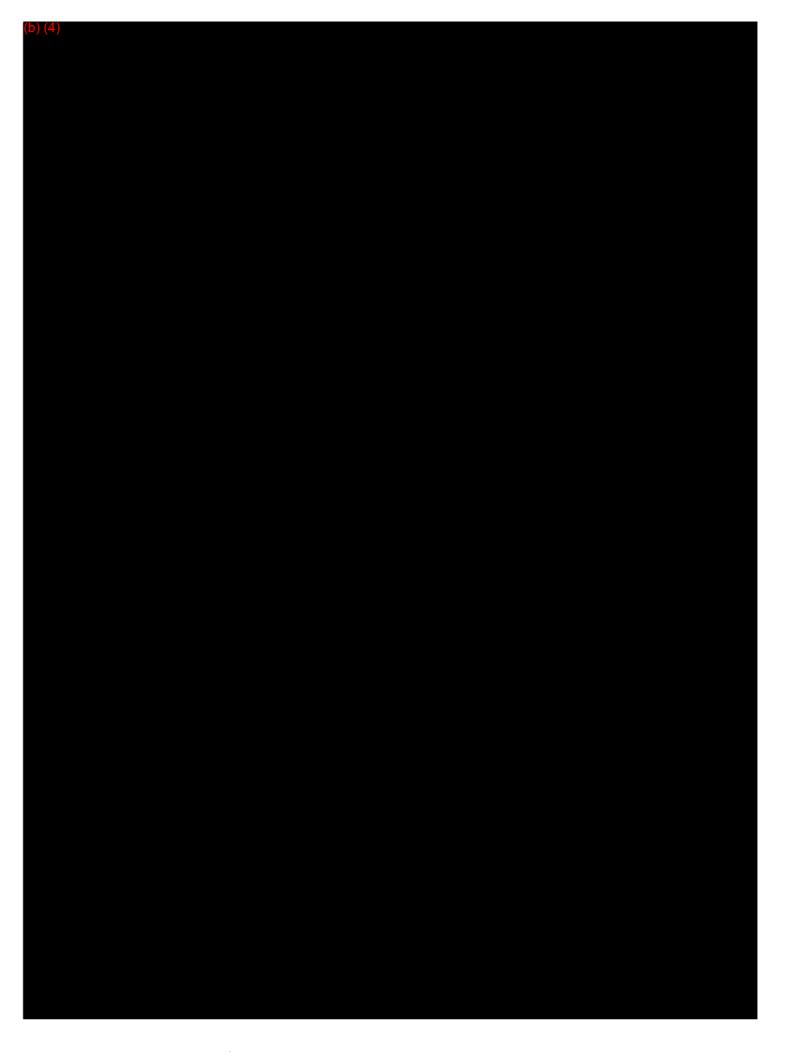


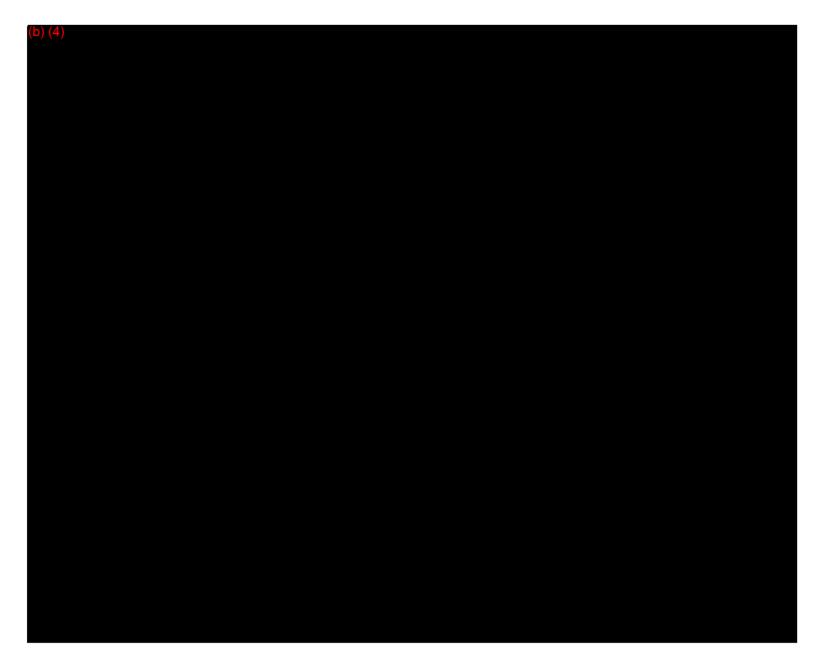
One exemple Material Safety Data Sheet







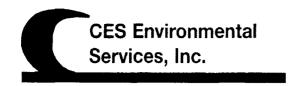




*** END OF MSDS ***

At 2938 ATYT

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Waste Pre-Acceptance/Approval Letter

Date 10/30/2008

Dear Dan Stinson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-2938

Expiration Date 8/21/2010

Generator: AT&T

Address: 1121 Capitol

Houston, TX 77002

Waste Information

Name of Waste: Recyclable diesel and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

diesel and water from cleaning out an underground storage tank last containing diesel

Color: varies Odor: hydrocarbon pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

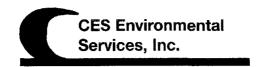
level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road, F Phone: (713) 676-14 TCEQ Industrial So		676-1676 1948	2420 S. Gulfwa Phone: (713) 6	ay Drive, Po 576-1460	Services – Port Arthur Facility ort Arthur, TX 77641 Fax: (713) 676-1676 0079307 ISWR No: 88585
SECTION 1: Mater	rial Producer Informatio	n			
Company:	AT&T	-			
Address:	1121 Capitol				
City, State, Zip:	Houston, TX 77002				· · ·
Contact:	Dan Stinson		Title:	Agent for	generator
Phone No:	713-829-6906		Fax No:	281-331-9	0509
24/hr Phone:	713-829-6906		<u> </u>		
U.S. EPA I.D. No:	Na				
State I.D.	Na		SIC Code:		
Address:	B & K Services PO Box 2563	as Above			
City, State, Zip:	Alvin, TX 77512 713-829-6906	Title:	Agant for Cor	2010101	
Contact: Phone No:	713-829-6906	Fax No:	Agent for Ger 281-331-9509		
Phone No:	713-829-0900	Fax No:	201-331-9309	,	
SECTION 3: General Description of the Material / Product Name of Material / Product: Recyclable Diesel and Water Mixture Detailed Description of Process Generating or Producing the Material / Product: Diesel and water from cleaning out an underground storage tank last containing diesel.					
Physical State:	□ Liquid □ Solid □] Sludge] Filter Cake	☐ Powder ☐ Combinatio	n	
Color: <u>Varies</u>	Odo	: Hydrocarbon			
Specific Gravity (wa	nter=1): <u>.8-1</u>	Density: 7-8.3 lbs/gal			
Does this material contain any total phenolic compounds? Yes No					
Does this material contain any para substituted phenolic compounds? Yes No					
Layers:	Single-phase	⊠ Multi-phase			
Container Type:	Drum] Tote	Truck		Other (explain)
Container Size:			<u>3000</u>		
Frequency: Number of Units (co	☐ Weekly ☑ ontainers): <u>1-4</u>	Other: Recycle	☐ Quarterly		Yearly
Proper U.S. DOT Shipping Name: Recycleable Hydrocarbon and Water Mixture					
Class: Na	UN/NA:	Na	PG: Na	L	RQ: Na

Flash Point >160	р Н 4-9	N/A	N/A	Solids 0-7%
Oil&Grease	TOC	Zinc	Copper	Nickel
>100mg/l	<5000mg/l	<u>Na</u> mg/l	<u>Na</u> mg/I	Namg/l

SECTION 4: Physical and Chemical Data

	COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
Water		90-98	%
Diesel		2-10	%
		1-11-12-2	
			l

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. Level D PPE

SECTION 6: Attached Supporting Documents

 ${\bf List~all~documents,~notes,~data,~and/or~analysis~attached~to~this~form~as~part~of~the~material~/~product~profile.} \\ {\bf None-Generator~knowledge}$

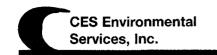
SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Oxidizers

SECTION 8: Material Producer's Certification

omissions of composition properties exist and that all known or suspected hazards ha	we been disclosed. I certify that the materials
tested are representative of all materials described by this document.	
Authorized Signature: A. Stiwson Printed Name/Title: Stephen A. Stiwson	Date: 10-29-08
I I intention the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	•
CDC VOD ONE V O O VOT WINDOW DV THYC CD (CD)	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Pour Algebra	
Date: 10-79-08 Approved Rejected	
Approval Number: 2938	

The information contained herein is based on 🖾 generator knowledge and/or 🗌 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	.15/gal up to 5% solids Surcharges are standard pending customer approval first. \$250 min \$70/hr plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):
	>5% Solids, <141 Flash
	Fails Chlo-d-tect
2	
3.	Standard per customer approval
4.	Special Testing Requirements:
	Flash, Chlo-d-tect, TOC, % solids
5.	Treatment and Handling Protocol:
	Treat in used oil facility based on in-house test results
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na

2922 Wilson



Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2922

Expiration Date 7/28/2010

Generator: Wilson **Address:** 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: oil

TCEQ Waste Code #: Recycle

Container Type:

tote with inner container

Detailed Description of Process Generating Waste:

equipment fluid changes and unused oil, small containers packaged into a tote

Color: black-amber

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

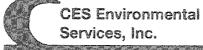
Matt Bowman, President

CES Environmental Services, Inc.

Cannot be an emulsion.
Oil cannot be water
soluble.

>1500mg/I

>1500mg/l





4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information Company: Wilson 1302 Conti Address: City, State, Zip: Houston, TX 77002 Contact: Jesse Lopez Title: HSE Mgr. 713-237-3700 Phone No: Fax No: 713-237-3422 24/hr Phone: CES-713-417-5737 U.S. EPA I.D. No: TXD981913817 State I.D. 74212 SIC Code: SECTION 2: Billing Information - Same as Above Company: Address: City, State, Zip: Title: Contact: Phone No: Fax No: SECTION 3: General Description of the Waste Name of Waste: oil Detailed Description of Process Generating Waste: Equipment Fluid Changes, and unused oil, small containers packaged into a Physical State: ∐iquid ☐ Sludge Powder ☐ Solid Filter Cake Combination Odor: oil like Color: black-amber Specific Gravity (water=1): .90 Density: 8 lbs/gal Layers: ☐ Single-phase Multi-phase Container Type: Drum Tote Other (explain) Truck Container Size: tote with inner cont Yearly Frequency: Weekly Monthly Quarterly NA-Recyclable Material Texas State Waste Code No: Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material PG: NA NA Class: UN/NA: RQ: Reactive Sulfides Solids Flash Point рΗ Reactive Cyanides **≯**140 neutral 0mg/I0mg/l 5% Oil&Grease TOC Zinc Copper Nickel

<u>0</u>mg/l

0mg/l

0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Motor Oil used	10-20	%
motor oil unused	80-90	%
Water	0-3	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None-Gary Brauckman inspected the containers

SECTION 7: Incompatibilities

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles:

Reactivity:

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>
SECTION 9: Generat	or's Certification
The information contain attached description is	hed herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful

omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.

Authorized Signature:

Printed Name/Title:

Type R Garacci Facility HSE Specialist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Compliance Officer:

Compliance Officer:

Compliance Officer:

Compliance Officer:

Compliance Officer:

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SE	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
Pl	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils :	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentration of the values listed below, the waste should be classified in the metals subcategory.		aste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess alues listed below, the waste should be classified in the metals subcategory.
	Chromi Copper:	m: 0.2 mg/L um: 8.9 mg/L 4.9 mg/L 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, concentrated above any of the values listed above, the waste should be classified in the organics subcategory.		aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or bove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

П

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



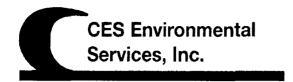
PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$125/Tote Trans \$70/hr + fsc
2. Contamination Limit (maximum limit before surchages apply):
Standard Per Shared drive
3. Surcharge Pricing:
Standard per Shared drive
4. Special Testing Requirements:
The material cannot be an emulsion. The oil phase cannot be water solable.
5. Treatment and Handling Protocol:
Process to Black O.1.
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	
Blackoil	



Waste Pre-Acceptance/Approval Letter

Date 7/31/2008

Dear Jesse Plancarte

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2924

Expiration Date 7/29/2010

Generator: Green Earth Fuels LLC

Address: 550 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: Water w/methanol, glycerin

TCEQ Waste Code #: 00081011

Container Type:

Detailed Description of Process Generating Waste:

Bio-diesel generation process

Color: clear

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: alcohol

pH: 6-9

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com



TCEQ Industrial Solid Waste Permit Number: 30948

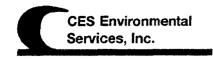
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information
Company: Green Earth Fuels of Houston LLC
Address: 1500 Clinton Dr
City: Stillenia Park, State: 17 Zip: 77547
Contact: Advisor Karolda Title:
Phone Number: 713 - 524 - 5947 Fax Number:
24/hr Phone Number:
US EPA ID No: TX (0 000 78 06)
State ID No: 88346 SIC Code:
SECTION 2: Billing Information - Same as Above
Company: Radi Techno 18876
Address: PO Box 1147
City: Peacland State: Ty Zip: 77588
Contact: Jesse Planearte Title: President
Phone Number: 832 - 257 - 6128 Fax Number: 800 - 508 - 123
SECTION 3: General Description of the Waste
Name of Waste: water w/ Methanol, Glycerin
Detailed Description of Process Generating Waste:
betailed bescription of Frocess deficiating waste.
Bio diesel Generation Process
Physical State:
Color: Clebr Odor: alcohol
Specific Gravity (water=1): Density: 7.5-8 bs/gal
Does this material contain any total phenolic compounds? Yes No
Does this material contain any para substituted phenolic compounds? Yes No
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:
2812 2813 2816 2819 2821 2822 2823 2824 2833 2834
2835 2836 2841 2842 2843 2844 2851 2861 2865 2869
2873 2874 2876 2879 2891 2892 2893 2896 2899 291:
3312 4953 4959 9511
Layers: Single-phase
Container Type: Drum Tote Truck Other (explain)
Frequency: Weekly Monthly Yearly One-Time Quantity: 10.0000

	ous Waste" per 40CFR 261.3 nplete, sign and date the Und		Yes (dous Constitue	·			
If "Yes", Is it: Characteristic for Toxic I				D003 (Reactive) D007 D008	□ D009		
Characteristic for Toxic C	Organics: D012 thru D043 (p	please list al	l that apply)				
	ed waste or mixed with one st ALL applicable codes:	:?	Yes	☐ No			
40 CFR 261.33(e) or (f)?	duct or spill cleanup that w \(\sum \) Y st ALL applicable codes:	_	No	ste code under			
Texas State Waste Code	Number:	000	81011				
Proper US DOT Shipping Class:	Name: Non K	<u> </u>	NM DOT	Pegulated 1 RQ: N/A	Naknal	(Meoh)	ol Exampti
Flash Point	рН	Reactiv	ve Sulfides	Reactive Cyanides	Soli	ds	
2120	6-9	NIA	mg/l	N/A mg/l	</td <td>%</td> <td></td>	%	
Oil & Grease	TOC 10000 mg/l	1-2	Zinc mg/l	Copper mg/l	Nicl	kel mg/l	
SECTION 4: Physical and				CONCENTRATOIN		LINUTE	
	MPONENTS TABLE ists of the following materia	als		CONCENTRATOIN Ranges are acceptable		units or %	
614cezin	ists of the following materia			<u> </u>		0/	
Metanol	flish < 100			0/0			
MATER))		70	6/3			
0:6 - +	2 lost 7 160			45		0/,	
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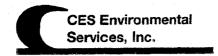
If the handling	Safety Relate ng of this wast れんしょく	te requires the u	se of special protective		explain.	
	nents, notes,		nts ysis attached to this for An alzh al			
	Incompatibili L incompatibi ロスめん	lities (if any):				
Laboratory a	nalysis of the	nowledge Docum hazardous waste generator knowl	characteristics, listed b	pelow, WAS NOT PE	RFORMED	
TCLP Metals:		×				
TCLP Volatile	s:	~				
TCLP Semi-Vo	olatiles:	$\overline{}$				
Reactivity:	_	×				
Corrosivity:	_	×				
Ignitability:	_					
Facilities)	Is this material	•	wastewater sludge?	o Pre-Treatment Requ	uirements fo	r Centralized Waste Treatment NO
		•		TE 64TE 60DV 60 T		24.05
	PLEASE CHECK	THE APPROPRIAT	E BOX. IF NO APPROPRIA	TE CATEGORY, GO TO	THE NEXT	PAGE.
	Metal finishing Chromate wast Air pollution con Spent anodizing Incineration was Waste liquid mo Cyanide-contain Waste acids an Cleaning, rinsir Vibratory debu	lating baths and/ogrinse water and stees ontrol blow down g solutions astewaters hercury ining wastes great and bases with or w ng, and surface pro	lludges water and sludges er than 136 mg/l ithout metals eparation solutions from a		phating ope	rations
Oils Subcateg	ory: Subpart E	3				
(Feb.)	Used oils					
=		lsions or mixtures				
=	Lubricants Coolants					
=		groundwater clea	n-up from petroleum sou	rces		
	Used petroleur	m products				
	Oil spill clean-u	ıp				
=	Bilge water Rinse/wash wa	iters from petrole	um sources			

Interceptor wastes
Under the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of
Underground storage remediation waste
☐ Tank clean-out from petroleum or oily sources☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
☐ Landfill leachate
☐ Contaminated groundwater clean-up from non-petroleum sources ☑ Solvent-bearing wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
☐ Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1)
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3)
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
☐ Metals Subcategory
Oils Subcategory
Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on generator knowledge and/or analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of composition
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials described by this document.
Authorized Signature: Date: 7/28/08
Printed Name/Title: Jesik Plancarte
Printed Name/Title: JESUS Plancarte
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
OSE ONE TO NOT WHITE IN THIS STACE,
Compliance Officer: Volos wellend
Date: 1-79-1) Approved Rejected
Approval Number: 1974
Tapproval Namber. V-1V-1



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$ 0.30/gal
2.	Contamination Limits (maximum limit before surcharges apply):
	alided must be less than 24%. Correlate
	to 5.3. It % alcotof exceeds 24%, contact
	Salis asgip.
3.	Surcharge Pricing:
	# 0.01 /gal per % solids in excess of 1%
	\$ 0.01 / Jal ger / Sollas 12 Sections 54
4.	Special Testing Requirements:
	3.3., TOC, metals, phenol, % oil
5.	Treatment and Handling Protocol:
	Send to heat tank it buch to remove oil.
	Fate Process water phase to Process!
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
3 .	Management for Product Recovered/Recycled (if applicable);
}. 	Management for Product Recovered/Recycled (if applicable);
3.	Management for Product Recovered/Recycled (if applicable);
3.	Management for Product Recovered/Recycled (if applicable);



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Joy Baker Date: 07/28/08

Cc: Matt bowman, Gary Peterson, Prabhaker,

Matt Moser, Joe Camp

From: Miles Root Lab Memo: 08-136

Subject: Rada Technologies Evaluation 0708-43

A sample of waste water from Rada Technologies has been evaluated for potential processing at CES. This sample is evaluation 0708-43 and is waste water from a biodiesel plant. Overall, this material is high in TOC, but otherwise can be processed with special handling if the material arrives with an oil layer.

This sample represents approximately 60,000 gallons of material. The material is stated to have less than 24% methanol, which means we can move it to System 1, if needed, using the alcohol exemption. It has a flash point between 90 and 95 deg F. The test sample had a 2% by volume oil layer and smells like vegetable oil. This oil blends with our black oil. If this material arrives with an oil layer the water can be drained from the bottom of the trailer and the oil sent to the back for processing. At 2%, this would only be 100 gallons in a 5000 gallon load.

When the oil layer is removed and the water treated, very fine solids are produced which are slow to settle out. Once settled, the water is high in TOC at 68,350 ppm. Metals are acceptable and there are no phenols. This material can be processed at CES with charges to cover the excessively high TOC. Moving the material to System 1 is also an option, depending upon pricing. Since Operations will be processing this material they need to have input into treating the material at CES or moving to System 1 for final disposition. The table below summarizes the analytical testing.

Rada Technologies								
Evaluation 0708-43								
Neat Sample								
Flash point, deg F	90-95							
Treatability	ОК -							
Solids, vol%	Ο ·							
Oils, vol%	2							
рН	6							
Treated Sample								
TOC, ppm	68350							
Phenols, ppm	0							
Metals								
Cd	0.013							
Cr	0.408							
Cu	0.282							
Ni	1.864							
Zn	1.774							

2923 Ruality Valve and Marine Worker



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2923

Expiration Date 7/28/2010

Generator: Quality Valve and Machine Works

Address: 233 East FM 2821

Hunstville, TX 77320

Waste Information

Name of Waste: Dirt conntaminated with hydrocarbons

TCEQ Waste Code #: CESQ4091

Container Type:

cy bos

Detailed Description of Process Generating Waste:

clean up

Color: dark

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Generator	<u>informat</u>	on									
Company:	QUALITY V	ALVE										
Address:	233 EAST	FM 2821										
City:	HUNTSVIL	LE			_State:	TX		_ZIp:		77320		
Contact:	ZAC MCKA	UGHAN				_Title:						
Phone Num	ber:				281541 <u>48</u> 29	Fax Numb	er:					
24/hr Phone	e Number:	281-54	1-4829			_						
US EPA ID N	o:	TXCES	QG									
State ID No:		CESQG				SIC Code:						
	CKG SERVI	CES		me as	<u>Above</u>							
Address:	10707 HO		TROAD					·				
City:	MONTGO				_State:	TX		_Zip:		77316		
Contact:	ZAC MCKA					_Title:		PRESIDENT				
Phone Numi	ber:	936-48	3-36 <u>62</u>			Fax Numb	er:	936-756-1226				
SECTION 3:					F. J. C. W. G. F. G.							
Name of Wa					TH HYDROCA		-					
Detailed Des	scription of	Process (enerating	waste:		CLEAN UP						
			· · · · · · · · · · · · · · · · · · ·									
Physical Stat	te:	Liquld Solid			Sludge Filter Cake	[Powder Combination				
Color:	DARK				-	Odor:		NONE				
Specific Grav	vi t y (water:	=1):	NA			,		Density: NA	lbs/g	al		
Does this ma	aterial cont	ain any to	stal phenoli	ic comp	ounds?		Yes	☑ No				
Does this ma	eterial cont	ain any p	ara substitu	ited ph	enolic comp	ounds?		☐ Y es	☑ No			
Is the Waste	subject to	the benze	ne waste o	peratio	n NESHAP?	(40 CFR Pa	rt 6	1, Subpart FF)		Yes	1	No
								cility is one of the	following:			-
2812	281		2816	2819			822		2824	2833		2834
2835	283	6	2841	2842	2843	2	844	2851	2861	2865		286 9
28 7 3	287		2876	2879			892		2896	2899		2911
3312	495	3	4959	9511								
Layers: Container Ty		ngle-phase	e 🗆 Tote		i-phase Truck 🕢	Other leve	viel.	n)				
container ty		J ium		- U	···uuk 🗹	Julei (exp	/(#il	•••				
Frequency: Quantity:		-	-	Yearly	☐ One-Ti	me						

	# 1								
	SEPA "Hazardo then please fi			?	☐ Yes	. ()	No		
	stic for Toxic N		☐ D004 ☐ D010	☐ D00 ☐ D01	s □ 0006	D003 (Read	<u>-</u>	□ D009	
Characteri	stic for Taxle C	Organics: Dul	2 thru 0043 (p	7511 92691	all that apply)				
	F" or "K" Liste then please lis			?	☐ Yes		No		
40 CFR 26	ommercial prod 1.33(e) or (f)? then please lis		Y		/ a "U" or "P" wa ☑ No	ste code ur	nder		
Texas Stat	e Waste Code	Number:		CESQ 40	91		-		
	DOT Shipping				N DOT/NON HAZ				•
Class:	NA	_UN/NA:	NA	PG:	<u>NA</u>	_RQ:	NA		
Fla	sh Point		pH ,	Reac	tive Sulfides	Reactive	Cyanides	Soll	
	NA		VA VILLE	NA NA	<u>mg/l</u>	NA	mg/l	NA TOU	
0il 8	& Grease		oc		Zinc		pper (Nic	
7.14	mg/l	NA	mg/	NA	mg/l	NA NA	mg/l	NA NA	mg/l
SECTION 4	: Physical and	Chemical Dat		OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH		CONCENT	'DATAIN		UNITS
T	he waste consi			ls			or %		
		DIRT			 	Ranges are 10			%
	· · · · · · · · · · · · · · · · · · ·								
									
1									

SECTION 5: Safety Rel	ated Data				
If the handling of this v	aste requires the u	ise of special protec	tive equipment, p	lease explain.	
NONE					
			<u> </u>		
SECTION C. Assert L.					
SECTION 6: Attached					
List all documents, not	25, data and/or ana: ANALYTICAL	lysis attached to thi	s form as part of t	ine waste	
approval package.	ANALYTICAL				
SECTION 7: Incompati					
Please list ALL incompa	tibilities (if any):				
None Known					
SECTION 8: Generator					
Laboratory analysis of t			ted below, WAS N	IOT PERFORMED	
based upon the followi	ng generator knowl	ledge:			
TCLP Metals:					0
TCLP Volatiles:					0
TCLP Semi-Volatiles:					0
Reactivity:		·——			0
Corrosivity:					0
Ignitability:					
			·		
SECTION 9: Generator	s Certification				
The information contain	ned herein is based	on 🖸 genera	ator knowledge a	nd/or 🖺 analyti	cal data.
I hereby certify that the	above and attache	d description is con	nplete and accura	te to the best of	
my knowledge and abil	ty to determine tha	at no deliberate or v	villful omissions o	f compostion	
properties exist and tha	t all known or susp	ected hazards have	been disclosed. I	certify that the	
materials tested are rep					
		/			
Authorized Signature:		f		Date:	7/23/2008
Printed Name/Title	ZAC NAKALIONA	N / DRESIDENT			
Printed Name/Litle:	ZAC MICKAUJAHA	NY TRESIDENT			
CES USE ONLY (DO NOT	WRITE IN THIS SPA	CE)			
	Poo A	The A			
Compliance Officer:	John John John John John John John John	may ar			
Date: 7-28-08	S Alana	proved (Rejected		
Approval Number:	U/43	······································			



NORTH WATER DISTRICT LABORATORY SERVICES, INC.

8725 Fawn Trail • The Woodlands, Texas 77385 (936)321-6060 • fax (936)321-6061 • email: lab@nwdls.com

CLIENT: CKG Services

10707 Honea Egypt Rd Montgomery, Texas 77316

Zac McKausha

Test Report

FACILITY NAME:

Quality Valve

SAMPLE ID:

Cub Yrd Box 1

SAMPLE TYPE:

Grab

SAMPLED BY:

Solid EF DATE SAMPLED:

07/07/08

TIME SAMPLED:

1145

DATE RECEIVED:

07/07/08

LAB FILE ID:

7228006

All Tests were Performed in Accordance with:

"Test Methods for Evaluating Solid Waste", SW-846, Third Edition, 1995.

Code of Federal Regulations, 40 CFR (7/1/95 Edition), Ch. 1, Pt. 261, App. 2, Method 1311.

Mendy Lobne for

Derek McCoy

Technical Director

n), Ch. 1, Pt. 261, App. 2, Method 1311.

He said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artist of the said this grant artis

gives to

FACILITY NAME:

Quality Valve

SAMPLE ID:

Cub Yrd Box 1

SAMPLE TYPE: SAMPLE MATRIX: Grab Solid

SAMPLED BY:

EF

DATE SAMPLED:

07/07/08

TIME SAMPLED: DATE RECEIVED: 1145 07/07/08

LAB FILE 10:

7228006

					MS - Matrix	Spike	MSD - Mate	rix Spike Dup
PCLP METALS	RESULT	LIMIT	EPA	Analysts	Date of	Blank	Duplicates	Spike %.
	mg/L	mg/L	Method	Initials	Analysis 🔻	mg/L	mg/L	Recovery
Arsenic	0.060	5.0	200,7	JL	07/21/08	< 0.01	<0.01/<0.01	L14.0
Barium	2.14	100	200.7	л.	07/21/08	< 0.01	.054/.035	102.0
Cadmium	0.080	1.0	200.7	JL	07/21/08	< 0.01	<0.01/<0.01	113.0
Chromium	< 0.01	5.0	200.7	.JL	07/21/08	< 0.01	<0.01/<0.01	115.0
Lead	< 0.01	5.0	200.7	1L_	07/21/08	< 0.01	<0.01/<0.01	116.0
Mercury	< 0.001	0.2	245.1	JL	07/21/08	< 0.001	<0.001/<0.00	80.0
Selenium	0.08	1.0	200.7	JI,	07/21/08	< 0.01	.042/.019	113.0
Silver	< 0.01	5.0	200.7	JL	07/21/08	< 0.01	<0.01/<0.01	99.8
	RESULT	LIMIT	EPA 1	Analysts	Date of ::	Blauk	MS:%	MSD.%
TCLE SEMI-VOLATILE	mg/L	ing/La	Mathod	Inicials	a Analysis	mg/L	Recovery	Recovery
Pyridine	< 0.05	5,0	8270	JM	07/22/08	< 0.05	44,8	44,4
O-Cresol	< 0.05	200	8270	JM	07/22/08	< 0.05	57.4	57.2
M,P-Cresol	<0.01	200	8270	JM	07/22/08	< 0.05	56.3	55.7
Hexachloroethane	< 0.01	3.0	8270	JM	07/22/08	< 0.01	55.9	55.7
Nitrobenzene	< 0.01	2,0	8270	JM	07/22/08	< 0.01	57.1	56.2
Hexachlorobutadiene	< 0.01	0.5	8270	JM	07/22/08	< 0.01	53.2	53.3
2,4,5-Trichlorophenol	< 0.02	400	8270	JM	07/22/08	< 0.02	67.2	66.6
2,4.6-Trichlorophenol	< 0.02	2.0	8270	JM	07/22/08	< 0.02	67.2	66.6
2,4-Dinitrotoluene	< 0.01	0.13	8270	JM	07/22/08	< 0.01	50.1	49.9
Hexachlorobenzeno	< 0.01	0.13	8270	JM	07/22/08	< 0.01	69.4	69.5
Pentachlorophenol	< 0.05	100	8270	лм	07/22/08	< 0.05	88.9	83.9
TCLP VOLATILES	1292000							
Vinyl Chloride	< 0.10	0.2	8260	JM	07/21/08	< 0.01	104.5	103.8
1,1-Dichloroethylene	< 0.10	0.7	8260	JМ	07/21/08	< 0.01	115.2	113.7
Methyl Ethyl Ketone	917	200	8260	JM	07/21/08	< 0.01	95.4	77.6
Chloroform	< 0.10	6.0	8260	JM	07/21/08	< 0.01	116.6	110.5
1,2-Dichloroothene	< 0.10	0.5	8260	JM	07/21/08	< 0.01	101.5	92.2
Веците	< 0.10	0.5	8260	JM	07/21/08	< 0.01	113.7	109.4
Carbon Tetrachloride	< 0.10	0.5	8260	JM	07/21/08	< 0.01	111.7	108.3
Trichloroethylene	< 0.10	0.5	8260	JM	07/21/08	< 0.01	120.9	115.5
Tetrachloroethylene	< 0.10	0.7	8260	JM	07/21/08	< 0.01	118.9	113.9
Chlorobenzene	< 0.10	100	8260	J <u>M</u>	07/21/08	< 0.01	114.0	111.5
1.4-Dichlorobenzenc	< 0.10	7.5	8260	JM	07/21/08	< 0.01	113.3	113.4



NORTH WATER DISTRICT LABORATORY SERVICES, INC.

8725 Fawn Trail • The Woodlands, Texas 77385 (936)321-6060 • fax (936)321-6061 • email: lab@nwdls.com

CLIENT: CKG Services

10707 Honea Egypt Rd Montgomery, Texas 77316

Zac McKausha

Test Report

FACILITY NAME:

Quality Valve

SAMPLE ID:

Cub Yrd Box 2

SAMPLE TYPE:

Grab

SAMPLE MATRIX: SAMPLED BY:

Solid EF

DATE SAMPLED:

07/07/08

р. Э

TIME SAMPLED:

1200

DATE RECEIVED:

07/07/08

LAB FILE ID:

7228007

All Tests were Performed in Accordance with:

"Test Methods for Evaluating Solid Waste", SW-846, Third Edition, 1995.

Code of Federal Regulations, 40 CFR (7/1/95 Edition), Ch. 1, Pt. 261, App. 2, Method 1311.

Derek McCov

Technical Director

FACILITY NAME:

Quality Valve

SAMPLE ID:

Cub Yrd Box 2

SAMPLE TYPE:

Grab Solid

SAMPLED BY:

EF

DATE SAMPLED:

07/07/08

TIME SAMPLED:

1200

DATE RECEIVED: LAB FILE ID:

07/07/08 7228007

MS - Matrix Spike MSD - Matrix Spike Dup

			4.4		MS - Mat		MSD - Matrix	Spike Dup
TCLP METALS	RESULT	LIMIT	EPA	Analysts	Date of		Duplicates	Spike %
	mg/L . :	mg/L	Method	in Intinis -	Analysis	mg/L	mg/L	> Recovery ₩
Arsenic	0.011	5.0	200.7	JL	07/21/08	< 0.01	·<0.01/<0.01	114.0
Barlum	3.96	100	200.7	JI	07/21/08	< 0.01	.054/.035	102.0
Cadmium	< 0.01	1.0	200.7	JL	07/21/08	< 0.01	-=0.01/=0.01	113.0
Chromium	0.019	5.0	200.7	JL	07/21/08	< 0.01	<0.01/<0.01	115.0
Lead	0.07	5.0	200.7	JL	07/21/08	< 0.01	-<0.01/<0.01	116.0
Mercury	< 0.001	0.2	245.1	_n_	07/21/08	< 0.001	<0.001/<0.001	80.0
Solenium	0.03	1.0	200.7	JL	07/21/08	< 0.01	.042/.019	113.0
Silver	< 0.01	5.0	200.7	IL.	07/21/08	. < 0.01	<0.01/<0.01	99.8
TCLP SEMI-VOLATILES	RESULT	LIMIL	EPA	Analysts	Date of	Blank	MS.%	MSD'%:
Control of the second	mg/L	mg/L		Initials			Recovery .	Recovery
Pyridine	< 0.05	5.0	8270	JM	07/22/08	< 0.05	44.8	44.4
O-Cresol	< 0.05	200	8270	.IM	07/22/08	< 0.05	57.4	57.2
M,P-Cresol	<0.01	200	8270	JM	07/22/08	< 0.05	56,3	55.7
Hexachloroethane	< 0.01	3.0	8270	JM	07/22/08	< 0.01	55.9	55.7
Nitrobenzene	< 0.01	2.0	\$270	JM	07/22/08	< 0.01	57.1	56.2
Hexachlorobutadione	< 0.01	0.5	. 8270	ľМ	07/22/08	< 0.01	53.2	53.3
2,4,5-Trichlorophenol	< 0.02	400	8270	JM	07/22/08	< 0.02	67.2	66.6
2,4,6-Trichlorophenol	< 0.02	2.0	8270	JM	07/22/08	< 0.02	67.2	66.6
2.4-Dinitrotoluene	< 0.01	0.13	8270	JM	07/22/08	< 0.01	50.1	49.9
Hexachlorobonzene	< 0.01	0.13	8270	JM	07/22/08	< 0.01	69.4	69.5
Pentachlorophenol	< 0.05	100	8270	JM	07/22/08	< 0.05	88.9	83.9
TCLR VOLATILES								
Vinyl Chloride	< 0.10	0.2	8260	JM	07/21/08	< 0.01	104,5	103.8
1,1-Dichloroethylene	< 0.10	0.7	8260	JM	07/21/08	< 0.01	115.2	113.7
Methyl Ethyl Ketone	<0.10	200	8260	JM	07/21/08	< 0.01	95.4	77.6
Chloroform	< 0.10	6.0	8260	JМ	07/21/08	< 0.01	116.6	110.5
1,2-Dichloroethane	< 0.10	0.5	8260	JM	07/21/08	< 0.01	101.5	92.2
Bonzene	< 0.10	0.5	8260	JM	07/21/08	< 0.01	113.7	109.4
Carbon Tetrachloride	< 0.10	0.5	8260	JM	07/21/08	< 0.01	111.7	108.3
Trichloraethylone	< 0.10	0.5	8260	JM	07/21/08	< 0.01	120.9	115.5
Tetrachloroethylene	< 0.10	0.7	8260	JM	07/21/08	< 0.01	118.9	113.9
Chlorobenzene	< 0.10	100	8260	JM	07/21/08	< 0.01	114.0	111.5
1,4-Dichtorobenzene	< 0.10	7.5	8260	<u>JM</u>	07/21/08	< 0.01	113.3	113.4

NWDLS North Water District Laborstory Services, Inc. 8725 I'mm Trail - The Woodlands, TX 77385 (930) 321-0060 - Fix (936) 321-6061 - lab@nwdls.com					Test Report CKG Services CKG Services 10707 Honer Egypt Rd Montgomery, TX 77516 Sample Date: 07/07/2008	Report #137787 Site: 102511 1000	Report Generaled 07/22/2008 14:39 Page 1 of 1
Sample Time	С	Received Lab	COD mg/L	<u></u>			
OF/OF 19:45 Could Box 1	EF	07/07 12:55		<10 A 00.00 cmo			
07/07 12:00 CHES DER 2	Ele	07/07 12:55		<10 07744 04450 JL			
07/07 13:80 Wing (Scoller	ef	07/07 15:06	3156				

All analysis stands within the time frame specified in "Standard Methods for the Examination of Water and Wastes", 20th Edition, 1998, or EPA "Methods for Chemical Analysis of Water and Wastes", Analyst, date and time of analysis is shown below result. Methods stated below como from "Standard Methods for the Examination of Water and Wasteswater", 20th Edition, 1998, or EPA Methodology, COD:High 8000 RL 10 TPH:TCEQ 1005 RL 10

NWDLAS North Water District Laboratory Services, Inc. 8725 Fawb Trell - The Woodlands, TX 77365 (936) 321-6960 - fax (936) 321-6961 - lab@hwdis.com				QA Test Report CKG Services - CKG Services 10707 Honea Egypt Rd Montgomery, TX 77519 Sample Date: 07/07/2008					Report #137747 Site: 102511 1000	Report Generated 07/22/2008 14:39 Page 1 of 1	
Unknown C	olle	ction Palnt - G	àrab								
Sample Time	<u></u>	Received Lab	Duplingte COD ing/L	Spike COD mg/L	Blandard COD mg/L	Biank . COD mg/L	Spiko TPH mg/L	Slanderd TPH mg/l_	Blank TPM mg/ <u>L</u>		
07/07 11:45 Cubic 8-77 1	EF	07/07 12:55					420/400 97/22 95/90 JL	350/400 67/22 08:00 A	< 10 97/27 (35:00 ALL		
(14), 1. ()) Cubic 2 n. 2	EF	07/07 12:55					420/400	350/400 07/22 08:00 JL	<10 0722 08400 JL		
ANALO DE CUMA CARDA 47789	⊵ /•	07/07 15:06	20/23 07/0#19:09 60	491/500 8168 10:00 00	989/1000 97/00 10:07 CD	< 10 07/09 10:00 015	STAND STANDS	01722 02.00 02	4/AL CEAN, 3E		

Anatysts COD (Hach 6000)

All analysis started within the time frame specified in "Standard Methods for the Exemination of Water and Wastes", 20th Edition, 1998, or EPA "Methods for Chamical Analysis of Water and Wastes", Analysis, date and time of analysis is shown below report. OA/CC is for the group of ten samples.

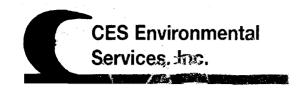
Methods stated below come from "3(ander) Methods for the Examination of Water and Wastewater", 20th Edition, 1998, or EPA Methodology,

Methods: COOMed 6000 TENTOCO 1003

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281-541-4829



4904 Griggs Fload Houston [X-77021 Fel. (713) 676-1460 Fax. (713) 676-4460

Waste Pre-Acceptance/Approval Letter

Date \$/4/2003

Dest Tom Culp

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2911

Expiration Date 8/4/2010

Generator: Quest Chemical Corporation

Address: 12255 FM 529

Houston, TX 77041

Waste Information

Name of Waste: Wastewater (alcohol exemption)

TCEQ Waste Code #: 00031021

Container Type:

Detailed Description of Process Generating Waste: Rinsing of pots and kettles from manufacturing soaps

Color: varies

Odor: mild

pH: 5-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. From:





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

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SECTION 1: C														
Company: _(Address: _:	Quest Cr 12255 FI		poration					····						
	Houston			S	tate:	TX		Zip:						77041
_	Tom Cul				idic.	Title:		_ ~ Vice Presi	dent					77043
Phone Numb			6-8188			Fax Num	ber:	713-869-8						
24/hr Phone			6-8188			_								
U\$ EPA ID No			2758939			_								
State ID No:					74760	SIC Code	:	NA						
SECTION 2: B Company: Address:	iilling Ini	formation -	. I <u>s</u> .	ame as Ab	ove_			·						
City:				SI	ate:			Zip:						
Contact:						Title:								
Phone Number	er:					_Fax Num	ber:							
SECTION 3: G	ieneral [Description	of the Was	<u>te</u>										
Name of Was Detailed Desc rinsing of pots	ription	of Process (_	Waste:	exemy	pticn)							· <u>-</u>	
Physical State	: E	Liquid Solid		=	udge Iter Cake	•		Powder Combinat	ion					
Color: v	<u>a</u> ries					Odor:		mild						
Specific Gravit	ty (wate	r=1):			1	<u>-</u>		Density:		8.34	bs/ga	l		
Does this mat	erial cor	ntain any t o	tal phenoli	c compour	nds?		Yes	v	No					
Does this mat	erial cor	ntain any pa	ara substitu	ted pheno	lic comp	ounds?			Yes	9	Vo			
Is the Waste s Answer "Yes" 2812 2835 2873 3312	if your w 28 28 28			-		ie from you 2 2		ility is one 2823 2851	of the	followi 2824 2861 2896		Yes 2833 2865 2899	7	No 2834 2869 2911
Layers:		ingle-phase	_	Multi-ph	ase									
Container Typ	e: [] Drum	☐ Tote	· V Tro	uck 🔲	Other (ex	plain)						

mg/l

NA

mg/l

_				_
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1	1	U	ш	

Is this a USEPA "Hazard If "Yes", then please co	•			Yeardous Constitu		No tached hereto		
If "Yes", Is it: Characteristic for Toxic		☐ D004 ☐ D010	□ D00 □ D01	5 D00	□ D003 (Rea 06 □ D007		D009	
Is this an "F" or "K" List If "Yes", then please			?	☐ Ye	es Z] No		
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please	•	☐ Y		a "U" or "P" w No	aste code ur	nder		
Texas State Waste Code	e Number:				<i>∱&</i> €31021	<u>-</u>		
Proper US DOT Shipping	g Name:	Non RCRA N	on DOT Re	egulated rinse v	water per 49	CFR		
Class: na	UN/NA:	na	PG:	na	RQ:	na		
Flash Point	pl	H	React	ive Sulfides	Reactive	Cyanides	Soli	ds
<140	5-1		<20	mg/l	<20	mg/l	0-2	%
Oil & Grease	TO	C		Zinc	Coi	oper	Nic	kel

NA

<u>mg/l</u>

mg/l

SECTION 4: Physical and Chemical Data

mg/l

>1500

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Water	68 95-98 95 5	%
Oil/Grease	0.5-2	%
Soluable Organics	1-2	%
Solids	3-5	%
Alcohol	0-23	%

From:

SECTION 5: Safety Re	eisted nats	
If the handling of this	waste requires the use of special protective equipment	ent, please explain.
Standard		
Staridard		
SECTION 6: Attached	Supporting Documents	
List all documents, no	otes, data and/or analysis attached to this form as par	rt of the waste
approval package.	· · · · · · · · · · · · · · · · · · ·	
approva package.		
···		
SECTION 7: Incompat	<u>tìbilities</u>	
Please list ALL incomp	patibilities (if any):	
None Known		
		<u> </u>
SECTION 8: Generato	or's Knowledge Documentation	No. of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
Laboratory analysis of	f the hazardous waste characteristics, listed below, W	/AS NOT PERFORMED
based upon the follow	ving generator knowledge:	
	3	
TCLP Metals:	V	
	X	
TCLP Volatiles:	X	
TCLP Semi-Volatiles:	X	
Reactivity:	X	
Corrosivity:	X	
Ignitability:	X	
Gintability.	<u> </u>	
Facilities)	eipt Classification Under 40 CFR 437 (Prtaining to Pre-Tre terial a wastewater or wastewater sludge?	atment Requirements for Centralized Waste Treatment VES NO
If 'Yes	s', complete this section.	
PLEASE CH	HECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATE	GORY, GO TO THE NEXT PAGE.
Metals Subcategory : Su		
	ctroplating baths and/or sludges	
	shing rinse water and sludges	
Chromate		
	on control blow down water and sludges	
	dizing solutions on wastewaters	
	aid mercury	
	ontaining wastes greater than 136 mg/l	
	ds and bases with or without metals	
*****	rinsing, and surface preparation solutions from electropla	ting of phosphating operations
	deburring wastewater	ting of phosphating operations
	nd acid solutions used to clean metal parts or equipment	
Alkeonie an	to deta soldesons ascar to clean metal parts or equipment	
Oils Subcategory : Subp	nart R	
Used oils		
===	emulsions or mixtures	
Lubricants		
Coolants		
	ated groundwater clean-up from petroleum sources	
	oleum products	
Oil spill cle		
☐ Bilge water		
	h waters from petroleum sources	
	•	

From:

Interceptor wastes
Off-specification fuels
Underground storage remediation waste
☐ Tank clean-out from petroleum or oily sources☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
<u>Organics Subcategory</u> : Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
U Off-specification organic product
Still bottoms Byproduct waste glycol
☐ Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
✓ Tank clean-out from organic, non-petroleum sources
(1)
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3)
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
Metals Subcategory
Oils Subcategory
☑ Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of compostion
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials descripted by this document.
1 11
Authorized Signature: Date: 8 7 - 0 5
7.50
Printed Name/Title: DYNCE Kitte
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
OLD GOLD TO THE THIRD ST MELT
Compliance Officer: Lolly House
Date: 8-4-00 Approved Rejected
Approval Number: 2911
- CIII



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
Freight - \$280.00/load plus fsc and demurrage after 1 hour loading; Disposal -\$0.27/gallon
2. Contamination Limit (maximum limit before surchages apply):
Solids - 2%
3. Surcharge Pricing:
Solids - \$0.01/gallon/% greater than 2 %
4. Special Testing Requirements:
Offest for this point, it is than point is greater them 140° From the
sha of the following
4. Special Testing Requirements: (DFest for flosh point, if the flosh point is greater than 140° From the OFEST for p.4 (DFEST for p.4) (DFEST for p.4) (DFEST for p.4) (DFEST for p.4) (DFEST for p.4) (DFEST for p.4) (DFEST for p.4)
5. Treatment and Handling Protocol: Process in System 1
Trocess in System 1
6. Tuestad Mastauratau Dischause Subastasanu
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☑ Subcategory C

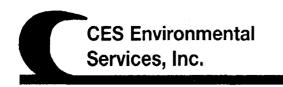


PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

	ed (if applicable):	
NA		·

8. Management for Product Recovered	/Recycled (if applicable)	
8. Management for Product Recovered,	/Recycled (if applicable)	
	/Recycled (if applicable)	
	/Recycled (if applicable)	
	/Recycled (if applicable)	
	/Recycled (if applicable)	···





Waste Pre-Acceptance/Approval Letter

Date 8/8/2008

Dear Lance Wiley

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2913

Expiration Date 8/8/2010

Generator: Kinder Morgan - Pasadena Jefferson

Address: 400 N. Jefferson

Pasadena, TX 77506

Waste Information

Name of Waste: broken glass TCEQ Waste Code #: 00043882

Container Type:

Detailed Description of Process Generating Waste:

broken glass jars

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling: PPE-leather gloves, face shield, goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Quantity:

JR



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 SECTION 1: Generator Information Company: Kinder Morgan Address: 400 N. Jefferson 77506 City: Pasadena State: TX Zip: Title: Contact: Lance Wiley **Phone Number:** 713-724-4912 Fax Number: 24/hr Phone Number: US EPA ID No: TXR0000012061 State ID No: 83594 SIC Code: SECTION 2: Billing Information -✓ Same as Above Company: Address: City: State: Zip: Contact: Title: Phone Number: Fax Number: SECTION 3: General Description of the Waste Name of Waste: Broken Glass Detailed Description of Process Generating Waste: Broken glass jars **Physical State:** Liquid Sludge Powder v Solid **Filter Cake** Combination Color: varies Odor: none Specific Gravity (water=1): Density: lbs/gal ☑ No Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? Yes ✓ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes ☑ No Answer "Yes" if your waste contains benzene AND If the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2822 2823 2824 2833 2834 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2873 2896 2874 2876 2879 2891 2892 2893 2899 2911 3312 4953 4959 9511 Layers: \square Single-phase ☐ Multi-phase ☐ Truck ☐ Other (explain) Container Type: ✓ Drum ☐ Tote Frequency: Weekly Monthly Yearly One-Time

Is this a USEPA " If "Yes", then pl					Yes		No ached hereto		
If "Yes", Is it: Characteristic fo		D001 (Ignitabi Netals:	e)	=	□ D006] D003 (Read 5 D007	-	© 0009	
Characteristic fo	r Toxic C	rganics: D012	thru D043 (p	ilease list al	i that apply)				
is this an "F" or " if "Yes", then p				?	☐ Yes	Ū	No		
Is this a commer 40 CFR 261.33(e) If "Yes", then p	or (f)?		□ Y		a "U" or "P" wa No	este code un	oder		<u>-</u>
Texas State Wast	te Code l	Number:				<i>∩0</i> ()43882			
Proper US DOT S Class:	hipping	Name: UN/NA:	Non-Hazard	ous, Non-R PG:	egulated Solid	RQ:		· · · · · · · · · · · · · · · · · · ·	
Flash Poin	ıt.	pH		Reacti	ve Sulfides	Reactive	Cyanides	Sol	ids
N/A		N/A		N/A	mg/l			100	%
Oil & Great	se	TO			Zinc	Copper		Nic	kel
N/A	mg/I	BRL	mg/l	BRL	mg/l	BRL	mg/I	BRL	mg/l
SECTION 4: Phys			LE	*		CONCENT	RATOIN		UNITS
	COM	PONENTS TAB				CONCENT Ranges are			UNITS
	CON ste consi					CONCENT Ranges are	ecceptable		UNITS or %
SECTION 4: Phys	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %
	CON ste consi	IPONENTS TAB				Ranges are	ecceptable		or % %

SECTION 5: Safety Re	<u>lated Data</u>
If the handling of this	waste requires the use of special protective equipment, please explain.
PPE - Leather gloves, f	ace shield / googles
<u> </u>	
SECTION 6: Attached	Supporting Documents
	tes, data and/or analysis attached to this form as part of the waste
approval package.	
SECTION 7: Incompat	ibilities
Please list ALL incomp	
SECTION 8: Generato	r's Knowledge Documentation
	the hazardous waste characteristics, listed below, WAS NOT PERFORMED
•	ring generator knowledge:
pasca apoli tile rollow	IND BEHILDER KINDWICODE.
TCLP Metals:	BRL
TCLP Volatiles:	BRL
TCLP Semi-Volatiles:	BRL
Reactivity:	Non-Reactive
Corrosivity:	Non-Corrosive
Ignitability;	Non-Ignitable
25/3/04/0 14/ 5 0	A section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect
	ipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment
Facilities)	erial a wastewater or wastewater sludge?
	, complete this section.
	7 45 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PLEASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Su	
	troplating baths and/or sludges hing rinse water and sludges
Chromate	
—	on control blow down water and sludges
	dizing solutions
	n wastewaters
	id mercury
	ontaining wastes greater than 136 mg/l
	Is and bases with or without metals
	insing, and surface preparation solutions from electroplating or phosphating operations deburring wastewater
755	reducing wastewater Indiacid Solutions used to clean metal parts or equipment
_ Alkeline un	a dela solutiono asca to alcan metal parts of calabacité
Oils Subcategory: Subp	art B
Used oils	
_	emulsions or mixtures
Lubricants	
Coolants	And arrando share the conference of their conservations.
·	ted groundwater clean-up from petroleum sources
Oil spill cle	eleum products
☐ Bilge water	·
	n waters from petroleum sources

Interceptor	
Off-specific	ration fuels nd storage remediation waste
= •••	out from petroleum or oily sources
	t used glycols
	nd oil mixtures from parts cleaning operations
Wastewate	er from oil bearing paint washes
Organics Subcategory : 5	Subpart C
Landfill lead	
_	ted groundwater clean-up from non-petroleum sources
_	aring wastes ration organic product
Still botton	= '
	waste glycol
	er from paint washes
	r from adhesives and/or epoxies formulation r from organic chemical product operations
_	out from organic, non-petroleum sources
4-1	
(1) If the waste	e contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(7)	
(2) If the waste	contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	e values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	
	contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, capper,
or nickel ab	ove any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Oils Subcategory
Ļ	Organics Subcategory
SECTION 10 Additional in	nstructions
	he correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
	d Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This e. The generator will be responsible for the cost of the analysis.
THE PERSON IS NESCHICITE	. The Benefator will be following for the constraint
SECTION 11: Generato	r's Certification
The information contain	ned herein is based on 💮 🗵 generator knowledge and/or 🔲 analytical data.
	above and attached description is complete and accurate to the best of
	ty to determine that no deliberate or willful omissions of compostion
	t all known or suspected hazards have been disclosed. I certify that the
materials tested are rep	resentative of all materials described by this document.
Authorized Signature:	danuly Date: 8/1/08
Printed Name/Title:	LANCE WILG SR EHS Speciation
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)
	M
Compliance Officer:	of hundhanged
Date: <u>8/8/08</u> "	Approved Rejected
Approval Number:	2913



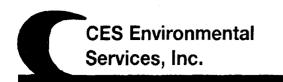
PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
#35/DM
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
□ Subcategory A □ Subcategory B □ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Prod	uct Recovered/Re	cycled (if applica	able):		
				····	
8. Management	for Product Recov	ered/Recycled (i	if applicable)		
<u> </u>					



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/12/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2915

Expiration Date 8/12/2010

Generator: Thermal Energy Corporation - Braeswood

Address: 1615 Braeswood

Houston, TX

Waste Information

Name of Waste: Dirt from caustic leak TCEQ Waste Code #: CESQ3191

Container Type:

Detailed Description of Process Generating Waste:

Clean up from caustic leak, dirt, grass and mineral wool insulation, majority is dirt.

Color: dark

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1	: Gene	erato	<u>Informa</u>	ation												
Company:																
Address:			SWOOL)												
City:	HOUS						State:		TX		_Zip:		····	77030		
Contact:		LIEN	11CHALA	ιK					Title:							
Phone Nun							137916		Fax Nu	mber:			713	7916711		
24/hr Phon	e Num	ber:				2	815414	829								
US EPA ID													98	8006453		
State ID No):		CESQ	3					SIC Co	de:						
SECTION 2					<u>Sar</u>	ne as	Above									
Company:																
Address:	10707	HON	EA EGY	PT RO	AD											
City:	MONT	GON	ERY				State:		TX		Zip:			77316		
Contact:	ZAC	/ICKA	UGHAN						Title:		PRESID					
Phone Nun	nber:		281-54	1-4829					Fax Nu	mber:	936-756-	1226				
SECTION 3	: Gene	eral D	escripti	on of t	he Wa	aste										
Name of W		ام4	DIRTE						OL CAR	UD C	7014 001	CTIC	FAK DID			
Detailed De										UP H	ROM CAL	SHC	LEAK, DIR	.1,		
GRASS AN	DIVINE	EKAL.	WOOL I	NSUL	AHON	I, MAJ	ORITY.	IS U	KI.		~		····			
Physical St	la ta i		المالية				CId	_		سب	Dowden					
riiysicai Si	late.	 	Liquid Solid				Sludge Filter (님	Powder Combination	ation				
		لتا	Oulu			Ľ	i iitei (Cane			OUIIDIII	auon				
Color:	DARK						_		Odor:		NONE					
Specific Gr	avity (1	water	=1):		NA						Density:	NA	lbs	/gal		
Daga shia y				4.4-1 -		!!					_					
Does this n	nateria	i con	tain any	total p	neno	iic cor	проилс	187	Ц	Yes	يا	. No	٠			
Does this n	nateria	l con	tain any	para s	ubstl	tuted j	ohenoli	ic coi	mpoun	ds?		Yes	☑ No			
Is the Wast														Yes	J	No
Answer "Ye	s" if you	ır was	te conta	ins ber	zene	AND i	the SI	Ccoc	le from	your fa	acility is or	ne of th	e following	j :		
2812		2813		2816		2819	2	821		2822			2824	2833		283
2835		2836		2841		2842		843		2844			2861	2865		286
2873		2874		2876		2879	2	891		2892	289	3	2896	2899		291
3312	•	4953	3	4959		9511										
Layers:	V	Sing	gle-phas	e		Multi-	phase									
Container 1	Туре:	\Box	Drum		Tote		Truck		Other (explai	n)					
Frequency:	: 🗀 W	eekiv	□ Мо	nthlv		early	☑ On	e-TIr	ne							
Quantity:								,								
Is this a US If "Yes".							61.3?			Yes	[No No				

If "Yes", Is Characteris Characteris	tic for Toxic	: Metals:	☐ D004 ☐ D010	☐ D005 ☐ D011	osive) □ D006	□ D007		D009	l
		ted waste or ist ALL applic			☐ Yes	<u> </u>	No		-
40 CFR 261.	.33(e) or (f)?		☐ Ye	s 🗸	ry a "U" or "P No	" waste co	de under		_
Texas State	Waste Cod	e Number:		CESQ3191			_		
Proper US I Class:	OOT Shippir	ng Name: _UN/NA:	NON HAZ/N	NON REGUI	ATED	RQ:		-	-
Flash	Point	p	Н	Reactiv	e Sulfides	Reactive	Cyanides		
	A	N		NA	mg/l	NA	mg/l	100 NA	%
NA NA	Grease	TC			Zinc		pper		kel
INA	<u>mg/l</u>	NA NA	mg/l	NA	mg/l	NA NA	mg/l	NA_	mg/l
	COM e waste cons	nd Chemical D PONENTS TA sists of the folio DIRT SYDROXIDE S	ABLE owing materia	ils	F		acceptable		UNITS or % %
	•		······································						
		,, 			· · · · · · · · · · · · · · · · · · ·				
SECTION 5: if the handlir NA			e use of spec	ial protectiv	e equipment, p	lease expla	ain.		_
					·				

List all documents, notes, data and/or analysis attached to this form as part of the approval package. MSDS	waste
SECTION 7: Incompatibilities Please list ALL incompatibilities (if any): None Known	
SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS No based upon the following generator knowledge:	OT PERFORMED
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	0 0 0 0 0
SECTION 9: Generator's Certification The information contained herein is based on I hereby certify that the above and attached description is complete and accurate my knowledge and ability to determine that no deliberate or willful omissions of coproperties exist and that all known or suspected hazards have been disclosed. It materials tested are representative of all materials described by this document.	to the best of ompostion
Authorized Signature: Printed Name/Title: AUCYAMG HAD	Date: 7-2508
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer:	
SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.	TYES NO
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CAT	EGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes	

Material Safety Data Sheet

Provided by:

DPC Industries, Inc.

DX Distributors, Inc.

DPC Enterprises

DX Systems Company

Houston, Tx 77229-4600

PO Box 24600 281-457-4988

www.dxgroup.com

DXI Industries, Inc. **DX Terminals**

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name

CAUSTIC SODA LIQUID (ALL GRADES)

Synonymis

SODIUM HYDROXIDE SOLUTION

Chemical Name

CAUSTIC SODA LIQUID

Emergency phone:

281-457-4888

Date of Issue:

10/01/00

Chemirec:

800-424-9300

Revised Date:

N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
SODIUM HYDROXIDE	10% - 52%	1310-73-2
SODIUM CARBONATE	<0.2	497-19-8
SODIUM CHLORIDE	. <1.0	7647-14-5
WATER	BALANCE	7732-18-5

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV:

2 mg/cu. M

Eye Contact

CONYACT MAY CAUSE SEVERE DAMAGE INCLUDING BURNS AND BLINDNESS.

Skin Contact

CONTACT CAUSES SEVERE SKIN IRRITATION AND POSSIBLE BURNS.

Ingestion

CORROSIVE AND MAY CAUSE SEVERE AND PERMANENT DAMAGE TO MOUTH, THROAT AND

STOMACH.

Inhalution

EXPOSURE TO VAPOR, MIST. OR LIQUID CAN PRODUCT BURNS OF THE RESPIRATORY TRACT.

Carcinogenicity:

NYP NO

OSHA NO

SECTION 4 - FIRST AID PROCEDCURES

Eye Contact:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING

EYELIOS OPEN. GET MEDICAL ATTENTION.

IARC NO

Skin Contact:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM 8KIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED.

Inhalation:

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE

ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL AYTENTION.

Ingestion:

DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN LINCONSCIOUS PERSON!

CAUSTIC SODA LIQUID (ALL GRADES)

Page 1 of 3

ORIGHTAL

SECTION 5 -FIRE FIGHTING MEASURES

Flush Paint

NOT APPLICABLE

Extinguishing Media

DOES NOT BURN. USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Special Firefighting Procedures/Precuations WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. USE WATER TO COOL CONTAINERS BUT AVOID GETTING WATER INTO

CONTAINERS.

SECTION 6-ACCIDENTAL RELEASE MEASURES

For Spill:

EVACUATE UNNECESSARY PERSONNEL. CONTAIN LIQUIDS AND PREVENT DISCHARGES INTO WATERWAYS AND SEWERS. OO NOT APPLY WATER TO THE LEAK. COLLECT AND PLACE IN CONTAINERS FOR DISPOSAL. NEUTRALIZE REMAINING TRACES WITH ANY DILUTE INORGANIC ACID (HYDROCHLORIC, SULFURIG, OR ACETIC ACID).

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area away from direct sunlight, heat and incompatible materials. Protect containers from physical damage.

AVOID STORING NEXT TO STRONG ACIDS. IF PRODUCT IS ADDED TO RAPIDLY, OR WITHOUT STIRRING, AND BECOMES CONCENTRATED AT BOTTOM OF MIXING VESSEL. EXCESSIVE HEAT MAY BE GENERATED. RESULTING IN DANGEROUS BOILING AND SPLATTERING, AND A POSSIBLE IMMEDIATE AND VI

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection

USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S

RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.

Ventilation

LOCAL AND MECHANICAL RECOMMENDED.

CHEMICAL IMPERVIOUS GLOVES.

Protective Gloves

CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.

Eye/Face Protection

Other Protection

CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC. EMERGENCY

SHOWER AND EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY.

Work Practices

USE GOOD PERSONAL MYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point ("F): 50. 291

Vapor Pressure (numHg):

Freezing Point (°F): -230 - 54

Vapor Density (Air-1):

NOT ESTABLISHED

Solubility (H2O): COMPLETE Specific Gravity (H2O=1):

1.11 - 1.53

Evaporation Rate:

Appearance/Odor: COLORLESS TO SLIGHTLY HAZY LIQUID WITH NO APPRECIABLE ODOR.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Incompatible Materials:

REACTS WITH WATER, ACIDS, METALS, AND REDUCING SUGARS (FRUCTOSE).

Decomposition Products:

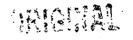
NONE KNOWN.

Hazardous Polymerization:

WILL NOT OCCUR.

CAUSTIC SODA LIQUID (ALL GRADES)

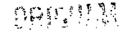
Page 2 of 3



ACLIYE ARAL (DED (call = 4)	SECTION II - TOXICITY INFORMATION
ACUTE ORAL LD50 (rai) = 1; ACUTE DERMAL LD50 (rabb	
	SECTION 12 - ECOLOGICAL INFORMATION
LC50/96HR/FATHEAD MINN EC50/96HR/WATER FLEA/4 EC50/96HR/GREEN ALGAE	12 MG/L
LOSO (IP)/MOUSE/40 MG/KG	
	SECTION 13 - DISPOSAL CONSIDERATIONS
DISPOSE OF WASTE MATER	RIALS ACCORDING TO ALL FEDERAL, STAYE, AND LOCAL REGULATIONS.
	SECTION 14 - TRANSPORT INFORMATION
USA DOT Shipping Na	ME: SODIUM MYDROXIDE, SOLUTION
Huzard Cless:	8
UN/NA Number:	UN1824
Packing Group:	u ·
Subsidiury Hazurd:	• •
Marine Pollutant:	NO
	SECTION 15 - REGULATORY INFORMATION
CERCLA RQ (lbs): 100	10
SARA Title III Section	312:
Acute Chron	nic 🗆 Flammable 🔲 Sudden Release of Pressure 🗷 Reactive
SARA Title III Section	3/3: No
	313: No rdous Substance: No
SARA Title III Section	3/3: No
SARA Title III Section	313: No rdous Substance: No
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CAUSTIC SODA LIQUÍO (ALL GRADES)

Page 3 of 3





PROCESS FACILITY INFORMATION (CES USE ONLY!!)

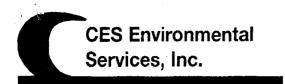
1.	Base Pricing (including freight):
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•	Contamination I imita (marinum limit hafana annah angas annlm).
2.	Contamination Limits (maximum limit before surcharges apply):
	Any free liquids or non-conforming to profile-Reject
3.	Surcharge Pricing:
	NA NA
4.	Special Testing Requirements:
	None There cannot be any firee liquids. Mix the dist 50 grams w/ 50 ml of water and run the pH. It the pH is greater than 12.5 them the solids box houst be free of any liquids of any type. There cannot be any free liquids.
	and run the ptt. It the ptt is greater than 12.5 then the solids pox hust be
	free of any liquids of any type. There cannot be any tree liquids.
	V
5.	Treatment and Handling Protocol:
	Class 1 solids box
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6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

/•	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
8 .	
8.	Management for Product Recovered/Recycled (if applicable): Na
8.	
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2925 BETCO



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/12/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2925

Expiration Date 8/12/2010

Generator: BETCO

Address: 2780 N. Harvey Mitchell Parkway

Bryan, TX 77807

Waste Information

Name of Waste: Mineral hydraulic oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Equipment for building metal structures

Color: dark

Odor: petroleum

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Need the PFI. The material cannot be an emulsion. The oil Cannot be with soluble. There must be a Services, Inc.

distinct water + ail layer break.

4904 Griggs Road, Houston. TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1 Company: Address:	Betco		r Informa		L DIGAT	.,								•	
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SECTION 3	: Gene	eral D	escription	on of th	ne Wast	2									
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ls this an "F" or "K" Lis If "Yes", then please I	sted waste or mixed wit list ALL applicable code		☐ Yes	Ø	No		
Is this a commercial pr 40 CFR 261.33(e) or (f)? If "Yes", then please i		Yes 🗵	rry a "U" or "F No 	" waste co	de under		
Texas State Waste God Proper US DOT Shippin	ng Name: RECYCL	ABLE MATE	RIAL		-		
Class:	_UN/NA:	PG :		RQ:			
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SECTION 5: Safety Rel		vecial protectiv	ve equipment, p	olease expla	in.		
MSDE Level D	~~~						

	Supporting Documents	
	s, data and/or analysis attached to this form as p	part of the waste
approval package.	M305	
SECTION 7: Incompat	ihilities	
Please list ALL incompa		
None Known	donnes (ii any).	
TONE KNOWN		
SECTION 8: Generato	r's Knowledge Documentation	•
	ne hazardous waste characteristics, listed below,	WAS NOT PERFORMED
based upon the following	·	, , , , , , , , , , , , , , , , , , ,
	9 6	
TCLP Metals:	,	0
TCLP Volatiles:		0
TCLP Semi-Volatiles:		0
Reactivity:		0
Corrosivity:		0
Ignitability:		0
SECTION 9: Generato	r's Certification	
The information contains	ed herein is based on 🔝 🗹 generator knowle	edge and/or 🔲 analytical data.
I hereby certify that the	above and attached description is complete and	accurate to the best of
my knowledge and abilit	y to determine that no deliberate or willful omissi	ions of compostion
properties exist and that	all known or suspected hazards have been disc	losed. I certify that the
materials tested are repr	resentative of all materials described by this doc	ument.
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Date: 8-12-05	/ Approved ☐ Rejected	d
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SECTION 40: Manha Dao	aint Classification Under 40 CER 427	÷
Is this mater	eipt Classification Under 40 CFR 437 ial a wastewater or wastewater sludge?	Z YES 📈 NO
	complete this section.	E 128 ga 118
	·	
PLEASE CH	IECK THE APPROPRIATE BOX. IF NO APPROPRI	IATE CATEGORY, GO TO THE NEXT PAGE.
48-4-1- D. 1	A A	
Metals Subcategory: Su		
	oplating baths and/or sludges	
☐ Metal finishin	ng rinse water and sludges	
- Cilioniate wi	23103	

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid Odor: Petroleum odor pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1 Boiling Point: >315°C (599°F)

Solubility: Soluble in hydrocarbon solvents: insoluble in water.

Freezing Point: Not Applicable

Specific Gravity: 0.86 - 0.9 @ 15.6°C (60.1°F) / 15.6°C (60:1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Volatile Organic

Compounds (VOC): <2.1 %weight Viscosity: 28.8 cSt @ 40°C (10.4°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acide or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrocracking. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

Revision Number: 4 Revision Date: January 15, 2007 1 of 7

Chevron Rykon® Oli AW-M6DS: 10910.

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Jul 24 08 10:10a

48 hour(s) EC50: > 1000 mg/l (Daphnia magna) 96 hour(s) LC50: >1000 mg/l (Oncorhynchus myklss) This material is not expected to be harmful to aquatic organisms.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

SECTION 15 REGULATORY INFORMATION

FPCHA	3177/372	CATEGO	IKIEZ.

Immediate (Acute) Health Effects:

NO NO

Delayed (Chronic) Health Effects:

NO

3. Fire Hazard: 4.

NO

Sudden Release of Pressure Hazard: Reactivity Hazard:

NO

REGULATORY LISTS SEARCHED:

01-1-IARC Group 1

03-EPORA'313

01-2A=IARC Group 2A

04-CA Proposition 65

01-28=IARC Group 2B

05=MA RTK

02=NTP Carcinogen

06=NJ RTK

07=PAIRTK

No components of this material were found on the regulatory lists above:

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States),

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be

Revision Number: 4

Revision Date: January 15, 2007

7 of 7

Chevron Rykon® Dil AW MSD5: 10910

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required. All other components are listed or exempted from listing on EINECS.

NEW JERSEY RTK CLASSIFICATION: .

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS:

Health: 0

Flammability: 1

Reactivity: 0

HMIS RATINGS:

Health: 1

Flammability: 1

Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, -- Chronic Effect Indicator): These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category: INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This revision updates the following sections of this Malerial Safety Data Sheet: 2, 15. **Revision Date:** January 15, 2007

ABBREVIATIONS THAT MAY HAVE BEEN USED IN:THIS DOCUMENT:

TLV Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure-Limit
	CAS - Chemical Abstract Service Number
ACCIH - American Conference of Government Industrial Hygienists	tMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS · Material Safety Data Sheet
CVX · Chevion	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the

Revision Number: 4

Revision Date: January 15, 2007

1 of 7

Chevron Rykon® Oil AW-MSDS: 10910

ALT:01 80 AS 101

ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 4-Revision Date: January 15, 2007 1 01.7

Chevron Rykon® Oli AW MSDS: 10910



Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rykon® Oll AW

Product Use: Hydraulic Oil.

Product Number(e): CPS229001, CPS229002, CPS229003

Synonyms: (

Chevron Rykon® Oil AW ISO:32, Chevron Rykon® Oil AW ISO 46; Chevrom Rykon® Oil AW

150 68.

Company Identification

Chevron Products Company a division of Chevron U.S.A. Inc. 8001 Bollinger Canyon Road San Ramon, CA 94583 United States of America

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800)

231-0623 or (510) 231-0623

www.chevronlubricants.com

Product Information

email: lubernsds@Chevron.com Product Information: (800) LUBE TEK MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS:

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant initiation. Not expected to be harmful to internal organs. If absorbed through the skin. High-Pressure Equipment information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed:

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

Revision Number: 4 Revision Date: January 15, 2007 1017

Chevron Rykon® Oil AW-MSDS = 10910

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SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if wom, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse:

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice:

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discolaration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended:

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFA 1910.1200): Not classified by OSHA as flammable or combuetible.

NFPA. RATINGS:

Health: 0

Flammability: 1

Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 170 °C (338 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits. (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING: MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily Ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping: Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800)

Rievision Number: 4 Revision Date: January 15, 2007

1 of 7

Chevron Trykon® Cil AW MSDS: 10910

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424-8802 as appropriate or required:

SECTION 7- HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventiliated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard; bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling; tank cleaning, sampling; gauging, switch loading, filtering; mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind; or expose such containers to heat; flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain dircumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where aplashing is possible; select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Bubber, Silver Shield; Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure ilmit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge: Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection:

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Revision Number: 4 Revision Date: January 18, 2007 1 01.7

Chevron Aykorl® Oll'AW MSD5 : 10910

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PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
[\$65/dm water in drums
	If No water \$15/dm
L	
2.	Contamination Limits (maximum limit before surcharges apply):
	None, Non conforming to profile
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L	
3.	Surcharge Pricing:
J.	
ŀ	N one
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Į	
4.	Special Testing Requirements:
48.	
	% water
	% Oil
	Flash Chlor-d-tect
	Cinor-u-tect
[
_	
5.	Treatment and Handling Protocol:
	Used Oil /Oily Water
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Used oil tests
8.	Management for Product Recovered/Recycled (if applicable);
0.	
	See if it can go to Base Oil

2926 BETCO



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/12/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2926

Expiration Date 8/12/2010

Generator: BETCO

Address: 2780 N. Harvey Mitchell Parkway

Bryan, TX 77807

Waste Information

Name of Waste: Paint waste
TCEQ Waste Code #: CESQ2011

Container Type:

Detailed Description of Process Generating Waste:

New steel buildings painted in paint booth, paint is from booth change

Color: multi

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Neel the PFI - Material declared non Hay - No Flash - Disposal would be Studge box probably class 1. P

CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit Number: 30948

		U.S. EPA ID N	lumber: TXD	008950461	ISWR Nu	mb	er: 30900					
SECTION	l. Conorato	r Information										
Company:		r information										
Address:		RVEY MITCHE	LI PKWY									
City:	BRYAN	WALL WITCHE	LL I IIII	State:	TX	_	Zip:		_	77807		
Contact:	JENNIFER	WRIGHT			Title:		GM					
Phone Nur	_	979-778-6176			Fax Numbe	er:		975				
24/hr Phon	e Number:				_			_				
US EPA ID	No:	TXCESQG			_							
State ID No) :	CESQG			SIC Code:				•			
												
	: Billing Inf		Same as	<u>Above</u>								
	CKG SERV											
Address:		NEA EGYPT RIA	ND									
City:	MONTGOM			State:	TX		Zlp:			77316		
Contact:	JAMIE BAD				Title:		AP	= 4.4				
Phone Nun	nber:	936-483-3662			_Fax Numbe	er:	936-756-1	226_				
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	\Box .	Solid		Filter Cak	Ke 🗆]	Combina	tion				
Calam	MO TI				0.1							
Color:	MULTI			-	Odor:		NONE		· · · · · · · · · · · · · · · · · · ·			
Specific Gr	ravity (water	= 1)·	1				Density:	>8	lbs/	nal		
ороонно о	avity (viaco.	/.	1		_		Denoity.		103/	ye.		
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		, ,		•	_					•		
Does this r	naterial con	tain any para s	ubstituted _l	ohenolic c	ompounds?		`	Yes	□ No			
		• •	ĺ		-		_					
		the benzene w								Yes	4	No
Answer "Ye	s" if your was	ste contains ben	zene AND i	the SIC co	ode from you	r fa	icility is one	e of th	e following	;		
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2835		6 2841	2842	2843	3 28	44	2851	1	2861	2865		286
287 3		4 2876	2879	2891	1 28	92	2893	3	2896	2899		291
3312	4953	3 4959	9511									
Layers:	☑ Sing	gle-phase	☐ Multi-	phase								
Container	Гуре: 🗹	Drum 🗆	Tote 🗌	Truck [Other (expl	lair	n)					
Frequency Quantity:	: 🗀 Weekly	Monthly	☑ Yearly 50		lime							
		rdous Waste" p		61.3?	☐ Ye	98	v	No				

Character	stic for Toxic	: Metals:	□ D004 □ D010	□ D005 □ D011		5 □ D007		□ D008	. .
Character	stic for Texic	: Organics: D	012 thru D04	3 (please li	st all that apply	/) 			-
		ted waste or ist ALL applic			☐ Yes		No	<u>-</u>	-
40 CFR 26	1.33(e) or (f)?		□ Y€	es 🗵	ry a "U" or "F No	" waste co	ode under		_
	te Waste Cod			CESQ201			-		
Proper US Class:	DOT Shippir	ig Name: _UN/NA: _	PAINT WAS	PG:	AZ	RQ:			-
	h Point	р			ve Sulfides		Cyanides	Sol	
	NA Grease	N TC		NA .	<u>mg/l</u> Zinc	NA Co	pper	NA Nic	%
NA.	mg/l	NA NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/l
	COM he waste cons	PONENTS TA	NBLE Dwing materia	als			acceptable		UNITS
	ŀ	PAINT WASTE				10)U		%
									
	5: Safety Rel ing of this was		e use of spec	ial protectiv	e equipment, p	olease expla	ain.		
		// }						<u> </u>	•

List all documents, notes	data and/or analysis attached to	this form as part of the	waste	
approval package.	uata anu/or analysis attached to	uns roim as part of the	VV 4318	
approvar package.	me DS	<u></u>		
		<u></u>	··· · · · · · · · · · · · · · · · · ·	
SECTION 7: Incompatib Please list ALL incompatib None Known				
	Knowledge Documentation hazardous waste characteristics generator knowledge:	, listed below, WAS NO	OT PERFORMED	
TCLP Metals:				0
TCLP Volatiles:				0
TCLP Semi-Volatiles:				0
Reactivity:				0 0
Corrosivity:		•		0
Ignitability:				0
my knowledge and ability properties exist and that a		r willful omissions of co ave been disclosed. I o	to the best of empostion	al data. 846408
CES USE ONLY (DO NO Compliance Officer: Date: 8-12-08 Approval Number:	TWRITE IN THIS SPACE) Land Mand Approved 2976	☐ Rejected		· ·
ls this material	pt Classification Under 40 CFR 43 a wastewater or wastewater sludge mplete this section.	<u>37</u> ?	☐ YES ☐	NO
PLEASE CHE	CK THE APPROPRIATE BOX. IF	NO APPROPRIATE CAT	EGORY. GO TO THE	NEXT PAGE
Metals Subcategory: Subp	nart A ating baths and/or sludges rinse water and sludges		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

MATERIAL SAFETY DATA SHEFT

プジものか

CARDITMA SDIVENTS, INC. DATE PREPARED: \$1/16/20 2274 IST. STREET, SDIFFEAST PRIME: (028) 322-1920 HICKORY, NORTH CAROLITHA RABBI

DATE PREPARED: #1/16/2006 DHEM(REC: (BBG) 424~9300

SECTION 1 - IDENTITY

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PRODUCT NAME: 75681 W/B RED OXIDE PROMER - NCT APPLICABLE. PRODUCT CLASS: WATER BASED PROMER

15A HOAD 20.0518 NON-REACTIVE

SECTION 2 - HAZARDOUS INGREDIENTS

r	MATERIAL DESCRIPTION	CAS	ADSTH	OSHA	VAPOR PRES.
Thy Wit		REGISTRY N	TLV	PEL	mm Hg 0 200
5 8 H	Non-hazardous, Non-volatile Materia 2-Butoxyethanol Metal Unide Silicate Secondary Butyl Olcohol	Unknown 00111-76-2 Unknown 00070-92-2	Salgm 1-8	25 ppm 8.1 mg/m3 180 ppm	Unknown (1 Unknown Unknown

* - Chemicals Regulated Under SARA 313

SECTION 3 - TYPICAL PHYSICAL & CHEMICAL DATA, NOT SPECIFICATIONS

VOC's (+/- 2%): 13% by Wb.; 18% by Vol. SOUTOB (+/- 2%); Box by Wt. : 18% by Vol. WATER/EXPT VOC'S (+/- 2x): 57x by Wt.; 64x by Vol. FVAPORATION RATE (ETHER = 1): (1 HAPP's: WX by Ut. APPEARANCE/UDDOK: liquid with a characteristic odor. SOLUBILITY IN WATER: Moderate

APPROX. PROD. WT.: 9.4 Lbs/Gal BUILING RANGE (DEG. F): 212 to 345 VAPOR DENGITY (ATR = 1): >1

SECTION 4 - FIRE & FXPLOSION DATA

FLASH FOINT (DEBREES F): Product will not flash.

EXTINGUISHING MEDIA: Foam, alcohol-type foam, carbon dioxide, dry chemical, water

SPECIAL FIREFIGHTING PROCEDURES: Closed containers exposed to extreme heat may rupture due to pressure buildup.

UNDSUAL FIRE AND EXPLOSION HAZARDS Water may be useful in keeping fire exposed containers coal.

-

P. 003/007

SECTION 5 - PHYSICAL HAZARDS

STABILITY: Statis under mormal conditions.

INCOMPATIBILITY: No hazordous reactions are expected under normal industrial conditions; product properties may be altered by mixing with some materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.

HAZARDDUS FULYMERIZATION: Will not occur. No known conditions to avoid. .

SECTION 6 - MEALTH AND SAFETY

ACUTE MEALTH MAZARD: Eye irritation. Possible skin irritation if contact is prolonged or repeated.

CHRONIC MEALTH HAZARD No known chronic effects.

RECEIVED JAN 1 9 2006

- EYES: Use safety glasses as needed to prevent direct contact. In case of direct contact, immediately flush eyes with large amounts of water and continue for at least fiftgen minutes. Get medical attention if irritation persists.
- SKIN: Use impermeable gloves and aprons as needed to prevent prolonged or repeated contact. In case of contact, wash skin with soap and water. Remove saturated clothing and shoes-
- RESPIRATORY SYSTEM: Not normally required. If product exceeds TLV for a nuisance particulate, a MIDSH approved respirator for organic mists or dust should be ಬರಲ್ಲಿ

INDESTION: (C Seek Emergency Medical Attention: >) Do not induce vomiting,

OTHER PROTECTIVE FOUTPMENT: Eye bath (as needed, depending on use).

SECTION 7 - SPILL AND DISPOSAL PROCEOURES AND SPECIAL PRECAUTIONS

- STEPS FOR MATERIAL SPILLAGE: Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant. Prevent spilled liquid from entering sowers, storm drains, or natural waterways.
- WASTE UISPOSAL METADD: In accordance with local, state, and federal regulations.
- MANDLING AND STURAGE PRECAUTIONS: Avoid subjecting this product to extreme temperature variations and freezing. Shocking the emulsion with large amounts of chemicals or extreme shear may cause coagulation.
- DTHER PRECAUTIONS: Minimal health and safety hazards are expected from use of this product. When working with any chemical compound, prudent handling practices should be exercised and unnecessary exposure avoided. If additional information is needed, contact Carolina Solvents, Hickory, NC. SUGGESTED HIS Ratings Hat, Fab, Red

MATERIAL SAFETY DATA SHEET

275246

DATE PREPARED: 06/14/2000

PHONE (828) 322-1920

CHEMTREC: (800) 424-8300

SECTION 1 - IDENTITY

CAROLINA SOLVENTS, INC.

ENINT

PRODUCT NAME:

2-75246 W/B BLACK PRIMER (LEGS ONLY)

CHEMICAL NAME:

NOT APPLICABLE.

PRODUCT CLASS:

W/B PRIMER

15A NCAC 2D.0518 NON-REACTIVE

SECTION 2 - HAZARDOUS INGREDIENTS

2274 IST. STREET, SOUTHEAST

HICKORY, NORTH CAROLINA 28601

EY WT	MATERIAL DESCRIPTION	CAS REGISTRY #	ACG1H TLV	OSHA PEL	VAPOR PRES. mm Hg @ 200
2 * 6 * 4 *	Non-hazardous, Non-volatile Materia 2-(2-Butoxyethoxy)ethanol 2-Butoxyethanol Carbon Black	00111 - 76-2 01333-86-4	25 ppm 3.5 mg/m3	Not Estab. 25 ppm S.5 mg/m3	<1 Unknown
18	Secondary Butyl Alcohol Talc	00075-92-2 14807-96-6		100 ppm 2 mg /m3	Unknown Unknown

- Chemicals Regulated Under SARA 313

SECTION 3 -TYPICAL PHYSICAL & CHEMICAL DATA, NOT SPECIFICATIONS

VOC's (+/- 2%): 9% by Wt.; 11% by Vol. 50LIDS (+/- 2%); 29% by Wt.; 20% by Vol. WATER/EXPT VOC's (+/~ 2%): 35% by Wt.; 40% by Vol. HAP's: 7% by Wt.

APPROX. PROD. WT.: 9.5 Lbs/Gal BOILING RANGE (DEG. F): 212 to 447 EVAPORATION RATE (ETHER = 1): <1 VAPOR DENSITY (AIR = 1): >1 APPEARANCE/ODOR: Liquid with a characteristic odor. SOLUBILITY IN WATER: Moderate

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT (DEGREES F): Product will not flash.

EXTINGUISHING MEDIA: Foam, alcohol-type foam, carbon dioxide, dry chemical, water

SPECIAL FIREFIGHTING PROCEDURES: Closed containers exposed to extreme heat may rupture due to pressure bulldup.

UNUSUAL FIRE AND EXPLOSION HAZARDS Water may be useful in keeping fire exposed containers cool.

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SECTION 5 - PHYSICAL HAZARDS 15

STABILITY: Stable under normal conditions, is a history of the state of the control of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state

INCOMPATIBILITY: No hazardous reactions are expected under normal industrial conditions; product properties may be altered by mixing with some materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dloxide.

HAZARDOUS POLYMER(ZATION: Will not occur. No known conditions to evoid.

SECTION 6 - HEALTH AND SAFETY

ACUTE HEALTH HAZARD: Eye [rritation. Possible skin irritation if contact is prolonged or repeated.

CHRONIC HEALTH HAZARD No known chronic effects.

- EYES: Use safety glasses as needed to prevent direct contact. In case of direct contact, immediately flush eyes with large amounts of water and continue for at least fifteen minutes. Get medical attention if irritation persists.
- SKIN: Use impermeable gloves and aprons as needed to prevent prolonged or repeated ... contact. In case of contact, wash skin with soap and water. Remove saturated clothing and shoes.
- RESPIRATORY SYSTEM: Not normally required. If product exceeds TLV for a nuisance particulate, a NIOSM approved respirator for organic mists or dust should be used.
 - INGESTION: Give two or three glasses of milk, fruit juice or water. Get medical advice immediately in case of any unusual symptoms.

OTHER PROTECTIVE EQUIPMENT: Eye bath (as needed, depending on use).

SECTION 7 - SPILL AND DISPOSAL PROCEDURES AND SPECIAL PRECAUTIONS

- STEPS FOR MATERIAL SPILLAGE: Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled meterial may be absorbed into an appropriate absorbant. Prevent spilled liquid from entering sowers, storm drains, or natural waterways.
- WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations.
- HANDLING AND STORAGE PRECAUTIONS: Avoid subjecting this product to extreme temperature variations and freezing. Shocking the emulsion with large amounts of chemicals or extreme shear may cause coagulation.
- OTHER PRECAUTIONS: Minimal health and safety hazards are expected from use of this product. When working with any chemical compound, prudent handling practices should be exercised and unnecessary exposure avoided. If additional Information is needed, contact Carolina Solvents, Hickory, NC. SUGGESTED HMIS Rating: H=1, F=0, R=0

MATERIAL SAFETY DATA SHEET

275422

P. 005/001

CAROLINA SOLVENTS, INC.

2274 1ST STREET, SOUTHEAST

DATE PREPARED: 01/26/2006

PHONE: 4828) 322-1-920

HICKORY, NORTH CAROLINA 28601

CHEMTREC:

(800) 424-9300

SECTION 1 - IDENTITY

PRODUCT NAME:

2-75422 W/B RED OXIDE PRIMER MEXICO

CHEMICAL NAME:

NOT APPLICABLE.

PRODUCT CLASS:

W/B PRIMER

115A NCAC 2D.0518 NON-REACTIVE

SECTION 2 - HAZARDOUS INGREDIENTS

₽ By Wt	MATERIAL DESCRIPTION	CAS RÉGISTRY 非	ACG1H TLV	osha Pel	VAPOR PRES.
15 n *	Non-hazardous, Non-volatile Materia 2-Butoxyethanol	Unknown	25 ppm	25 ppm	Unknown
	Carbon Slack	00111-76-2 01333-86-4		3.5 ing/ms	Unknown
i	Isobutanol	00078-83-1		50 ppm	10.00
10	Metal Oxide Silicate	Unknown	0.1 mg/m3	0.1 mg/m3	Uriknown
2, π	Secondary Butyl Alcohol	00078-92-2	100 ppm	100 ppm	Unknown
12	Talc	14807-96-6	2 mg/m3	2 mg/m3	Unknown
. 1 **	Tristhylamine	00121-44-8	10 ppm	10 ppm '	54.00

Chemicals Regulated Under SARA 313

SECTION 3 -TYPICAL PHYSICAL & CHEMICAL DATA, NOT SPECIFICATIONS

VOC's (+/-2%): 13% by Wt.; 19% by Val. SOLIDS (+/- 2%): 38% by Wt.; 24% by Vol.

WATER/EXPT VOC's (+/- 2%): 49% by Wt.; 57% by Vol. 1% by Wt. HAP's:

APPEARANCE/ODOR: Liquid with a characteristic odor.

APPROX. PROD. WT.: - 9.8 Lbs/Gal BOILING RANGE (DEG. F): 194 to 340 EVAPORATION HATE (ETHER = 1): <1 VAPOR DENSITY (AIR = 1); >1 SOLUBILITY IN WATER: Moderate

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT (DEGREES F). Product will not flash.

EXTINGUISHING MEDIA: Foam, alcohol-type foam, carbon dioxide, dry chemical, water

SPECIAL FIREFIGHTING PROCEDURES: Closed containers exposed to extreme heat may rupture due to pressure buildup.

UNUSUAL FIRE AND EXPLOSION HAZARDS Water may be useful in keeping fire exposed containers cool.

₽75422cont.

SECTION 5 - PHYSICAL HAZARDS

STABILITY: Stable under normal conditions.

INCOMPATIBILITY: No hazardous reactions are expected under normal industrial conditions; product properties may be altered by mixing with some materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur. No known conditions to avoid,

SECTION 6 - HEALTH AND SAFETY

AGUTE HEALTH MAZARD: Eye irritation. Possible skin irritation if contact is prolonged or repeated.

CHRONIC HEALTH HAZARD No known chronic effects.

- EYES: Use safety glasses as needed to prevent direct contact. In case of direct contact, immediately flush eyes with large amounts of water and continue for at least fifteen minutes. Get medical attention if irritation persists.
- SKIN: Use Impermeable gloves and aprons as needed to prevent prolonged or repeated contact. In case of contact, wash skin with soap and water. Remove saturated clothing and shoes.
- RESPIRATORY SYSTEM: Not normally required. If product exceeds TLV for a nulsance particulate, a NIOSH approved respirator for organic mists or dust should be used.

INGESTION: << Beek Emergency Medical Attention! >> Do not induce vomiting.

OTHER PROTECTIVE EQUIPMENT: Eye bath (as needed, depending on use).

SECTION 7 - SPILL AND DISPOSAL PROCEDURES AND SPECIAL PRECAUTIONS

- STEPS FOR MATERIAL SPILLAGE: Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant. Prevent spilled liquid from entering sowers, storm drains, or natural waterways.
- WASTE DISPOSAL METHOD: in aboordance with local, state, and foderal regulations.
- HANDLING AND STORAGE PRECAUTIONS: Avoid subjecting this product to extreme temperature variations and Treezing. Shocking the emulsion with large amounts of chemicals or extreme shear may cause coagulation.
- OTHER PRECAUTIONS: Minimal health and safety hazards are expected from use of this product. When working with any chemical compound, prudent handling practices should be exercised and unnecessary exposure avoided. If additional information is needed, contact Carolina Solvents, Hickory, NC. SUGGESTED HMIS Rating: H=1, F=0, A=0



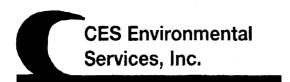
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$65/dm
2.	Contamination Limits (maximum limit before surcharges apply):
	None, Non conforming to profile
3.	Surcharge Pricing:
	N one
4.	Special Testing Requirements:
	Odor-Does it have solvent odor Flash
5.	Treatment and Handling Protocol:
	Class 1 liquids or sludge depending on consistancy
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable):
	Na



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/14/2008

Dear Michael Simpkins

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2928

Expiration Date 8/14/2010

Generator: Sunset Farms Landfill

Address: 9912 Giles Road

Austin, TX 78754

Waste Information

Name of Waste: condensate water TCEQ Waste Code #: CESQ2192

Container Type:

Detailed Description of Process Generating Waste: landfill rainwater purged thru waste collected and stored

Color: clear

Odor: slight

pH: 4.6

Physical State: Incompatibilities:

Safety Related Data/Special Handling:

None

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.







4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	itor In	<u>formatio</u>	<u>n</u>										
Company:	Sunset	Farms	s Landfill											
Address:	9912 g	iles Ro	1											
City:	Austin					State:	TX		Zip:	_				78754
Contact:	Everet	t Moo	re			_	Title:		– Manager					
Phone Num	ber:		512-922-	0573			Fax Num	ber:	512-247-	<u></u> _				
24/hr Phone	e Numb	er:	512-247-	5647			_							
US EPA ID N	lo:		TX	cesa	(-1	<u></u>								
State ID No	:		()	SOG			SIC Code		na				-	
		,	. 				_							
SECTION 2:	Billing	Inform	nation -	□s	am <u>e as</u> ,	Above								
Company:	Magna	-Flow	Environm	ental Inc										
Address:	PO Box													
City:	Austint					State:	TX		Zip:					78755
Contact:	Michae		okins			-	Title:		Division P	res				
Phone Num			512-217-	3170			_	ber:	512-451-			·		
		•	<u> </u>	02/0					312 	, 105_				
SECTION 3:	Genera	l Desc	ription o	f the Was	te									
	_													
Name of Wa	aste:		Condens	ate water										
Detailed De	scriptio	n of P	rocess Ge	nerating	Waste:									
Landfill rain	water p	urged	thru wast	e collecte	ed and s	tored								
Physical Sta	te:	$\overline{\checkmark}$	Liquid			Sludge			Powder					
			Solid			Filter Cake	e	\equiv	Combinat	tion				
					_									
Color:	clear					_	Odor:		slight					
Specific Gra	vity (wa	iter=1):				<u>1</u>		Density:		8.44 lbs/	gal		
					_					-				
Does this m	aterial o	contai	n any tot	al phenol	ic comp	ounds?		Yes	1] No				
Does this m	aterial d	contai	n any par	a substiti	uted ph	enolic com	pounds?		Ш	Yes	✓ No			
la tha Mante					:-	NIECIJAD	2 (40 CED D		1 Culonau	\	Γ	Vaa		NI -
Is the Waste											£-11	Yes	4	No
Answer "Yes											_			2024
2812		2813		2816	2819			2822			2824	2833		2834
2835		2836		2841	2842	=		2844			2861	2865		2869
2873		2874		2876	2879		1 :	2892	289	3	2896	2899		2911
3312		4953	•	4959	9511									
Layers:	V	Singl	le-phase		Multi	i-phase								
Container T	уре:		Drum	☐ Tot	e 🗌	Truck 🔽	Other (ex	plair	n)					
Frequency: Quantity:				thly 🗀	Yearly	One-1	lime							

		us Waste" per plete, sign and c			Yes Yes		No ched hereto								
•	If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)														
Characteris na	Characteristic for Toxic Organics: D012 thru D043 (please list all that apply) na														
Is this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes:															
40 CFR 261.	Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)?														
	Waste Code		Alina	CESC	02192 Note	ETT VI	20. 21 m	<u>edw</u>	chia						
Class:	NA-	UN/NA:	NA	PG:	NA NA	RQ:	TA	e est hour	LUCE -						
Flash	Point	рH		Reactiv	e Sulfides	Reactive	Cyanides	Sol	ids						
>:	L50	4.6	 _	na	mg/l	na	mg/l	0-1	%						
Oil &	Grease	TO	C	Z	inc	Cop	per	Nic	kel						
<1500	mg/l	8000	mg/l	0.121	<u>mg/l</u>	0.042	mg/l	2.886	mg/l						
SECTION 4:	SECTION 4: Physical and Chemical Data														
	CON	IPONENTS TAE	LE			CONCENT	RATOIN		UNITS						
Th	The waste consists of the following materials Ranges are acceptable or %														
		Water				98-1			%						
		Motor Oil				0-:			%						
l		Solids (dirt)		1		0-:	L		%						

vvatei		/0
Motor Oil	0-1	%
Solids (dirt)	0-1	%
	_	
		
	 	

	: Safety Related Data
	lling of this waste requires the use of special protective equipment, please explain.
no	
SECTION 6	: Attached Supporting Documents
	uments, notes, data and/or analysis attached to this form as part of the waste
approval p	
approvarp	ackage.
SECTION 7	: Incompatibilities
Please list	ALL incompatibilities (if any):
na	
SECTION 8	: Generator's Knowledge Documentation
Laboratory	analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upo	n the following generator knowledge:
TCLP Meta	ls:
TCLP Volat	iles:
TCLP Semi-	-Volatiles:
Reactivity:	
Corrosivity	
Ignitability	
	Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment
<u>Facilities)</u>	Jackin material a material a material a material and a superferment of the 2
	Is this material a wastewater or wastewater sludge? If 'Yes', complete this section. YES VES NO
	ii 165 , complete this vectorii
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
44.1.1.0.1	
<u>IVIETAIS SUD</u>	category: Subpart A Spent electroplating baths and/or sludges
F	☐ Sperit electroplating baths and/or stadges ☐ Metal finishing rinse water and sludges
Ī	Chromate wastes
	Air pollution control blow down water and sludges
Ĺ	Spent anodizing solutions
<u>L</u>	Incineration wastewaters Waste liquid mercury
F	
Ĺ	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
	Vibratory deburring wastewater
L	Alkaline and acid solutions used to clean metal parts or equipment
Oils Subcati	egory : Subpart B
	Used oils
	Oil-water emulsions or mixtures
Ļ	Lubricants
F	Contaminated groundwater clean up from nativeleum courses
F	☐ Contaminated groundwater clean-up from petroleum sources ☐ Used petroleum products
Ī	Oil spill clean-up
Ī	Bilge water
	Rinse/wash waters from petroleum sources

	Off-specification fuels
	Underground storage remediation waste
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Ormaniaa C	Wheetenant Cub sout C
	ubcategory: Subpart C
F	Landfill leachate
<u> </u>	Contaminated groundwater clean-up from non-petroleum sources
<u> </u>	Solvent-bearing wastes Off-specification organic product
<u> </u>	Still bottoms
—	Byproduct waste glycol
 	Wastewater from paint washes
-	Wastewater from adhesives and/or epoxies formulation
—	Wastewater from organic chemical product operations
<u> </u>	Tank clean-out from organic, non-petroleum sources
L.	Tank Sear-Sut nom organic, non-perioleum sources
(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nicket: 37.5 mg/L
(3)	
	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Oils Subcategory
	☑ Organics Subcategory
	E. Organia Subsaccy
SECTION 10) Additional Instructions
SECTION 10	O Additional Instructions
	O Additional Instructions t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
If you canno	
If you canno Copper, Nick	t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
If you canno Copper, Nick will be prior t	t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, kel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This to acceptance. The generator will be responsible for the cost of the analysis.
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If you canno Copper, Nick will be prior to SECTION 1 The informa I hereby cer my knowled properties e	t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, kel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This to acceptance. The generator will be responsible for the cost of the analysis. 11: Generator's Certification ation contained herein is based on generator knowledge and/or analytical data. Tify that the above and attached description is complete and accurate to the best of the description is complete and ability to determine that no deliberate or willful omissions of compostion
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If you canno Copper, Nick will be prior to SECTION 1 The informa I hereby cer my knowled properties e materials te	t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, kel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This to acceptance. The generator will be responsible for the cost of the analysis. I1: Generator's Certification ation contained herein is based on generator knowledge and/or analytical data. rtify that the above and attached description is complete and accurate to the best of dige and ability to determine that no deliberate or willful omissions of compostion exist and that all known or suspected hazards have been disclosed. I certify that the
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PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
Disposal: \$0.20/gallon; Magnaflow will bring water to me.
2. Contamination Limit (maximum limit before surchages apply):
TOC: 20,000; Solids: 25%
3. Surcharge Pricing:
TOC: \$0.03/gallon/5000 toc greater 20,000; Solids: \$0.01/gallon/percent greater than 25%
A Special Testing Populrements:
Solids, pH, oils, TOC, phend, Nickel
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ✓ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):
NA
8. Management for Product Recovered/Recycled (if applicable)
NA

Jon Anstey BFI Sunset Farms 9912 Giles Rd. Austin, TX 78754





Control # 68057

Project

Sample Condensate for Tessman

Date/Time Taken Aug 6, 2008

Matrix water

Date/Time Rec'd Aug 6, 2008 10:50

<u>Analyte</u>	Result Units	SQL	Date/Time R	Run By	Method	Blank RPDLimit	<u>MS</u>	<u>MSD</u>	<u>Limit</u>	LCS LCSD	<u>Limit</u>
pH	4.6		8/6/08 1	7:12 MCI	150.1	0.4 10					
TPH, total	140 mg/I	20	8/6/08 1	5:41 MCI	TX1005	<20 12.1 75	116.9	103.5	125-20	85.1 83.7	80-120
TPH, C6-C12	110 mg/I	, 10	8/6/08 1	5:41 MCI	X TX1005	<10 7.4 75	85.0	91.6	125-20	81.0 80.8	80-120
TPH, C12-C28	33 mg/I	. 10	8/6/08 1	5:41 MCI	TX1005	<10 14.8 75	122.6	105.6	125-20	89.3 86.7	80-120
TPH, C28-C36	<10 mg/I	, 10	8/6/08 1	5:41 MCI	X TX1005	<10					
Antimony	0.064 mg/I	.005	8/6/08 1	8:38 MCI	6010B	<0.005 0.4 20	97.8	97.3	75-125	98.1 96.8	80-120
Arsenic	0.082 mg/I	.01	8/6/08 1	8:38 MCI	6010B	<0.01 0.4 20	110.8	111.3	75-125	99.1 97.7	80-120
Barium	0.027 mg/I	.005	8/6/08 1	8:38 MCI	6010B	<0.005 0.7 20	99.2	98.5	75-125	99.1 97.1	80-120
Beryllium	<0.0010 mg/I	.001	8/6/08 1	8:38 MCI	6010B	<0.001 0.2 20	90.8	90.6	75-125	100.1 97.6	80-120
Cadmium	<0.0050 mg/I	.005	8/6/08 1	8:38 MCI	6010B	<0.005 0.5 20	107.3	106.7	75-125	104.8 102.1	80-120
Chromium	<0.0050 mg/I	.005	8/6/08 1	8:38 MCI	6010B	<0.005 0.4 20	104.9	104.4	75-125	103.1 102.4	80-120
Lead	<0.010 mg/I	.01	8/6/08 1	8:38 MCI	6010B	<0.01 0.7 20	97.9	97.1	75-125	99.4 97.4	80-120
Mercury	0.0022 mg/I	.001	8/6/08 1	8:38 MCI	6010B	<0.001 1.7 20	103.5	101.7	75-125	103.7 102.0	80-120
Nickel	<0.0050 mg/I	.005	8/6/08 1	8:38 MCI	6010B	<0.005 0.5 20	98.4	97.8	75-125	98.7 96.3	80-120
Selenium	0.38 mg/I	.01	8/6/08 1	8:38 MCI	6010B	<0.01 1.3 20	88.0	86.8	75-125	100.3 98.7	80-120
Silver	<0.010 mg/I	.01	8/6/08 1	8:38 MCI	6010B	<0.01 1.1 20	94.6	93.6	75-125	100.9 99.5	80-120
B.O.D. (5-day)	7170 mg/I	, 2	8/7/08 1	3:30 PCS	5210B	<2					
Chemical Oxygen Demand	14429 mg/I	, 5	8/8/08 1	.0:30 PCS	5220D	<5					

Methods from USEPA unless otherwise noted.

SQL - sample quantification limit (method quantification limit adjusted for sample dilution or concentration)

RPD - MS/MSD precision MS - matrix spike recovery MSD - matrix spike duplicate recovery

LCS/LCSD- laboratory control standard/duplicate recovery

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All analyses were successfully completed and met the requirements of NELAC Chapter 5

except where flagged or noted in an attached Case Narrative.

All estimated uncertainties of test results are within method specifications.

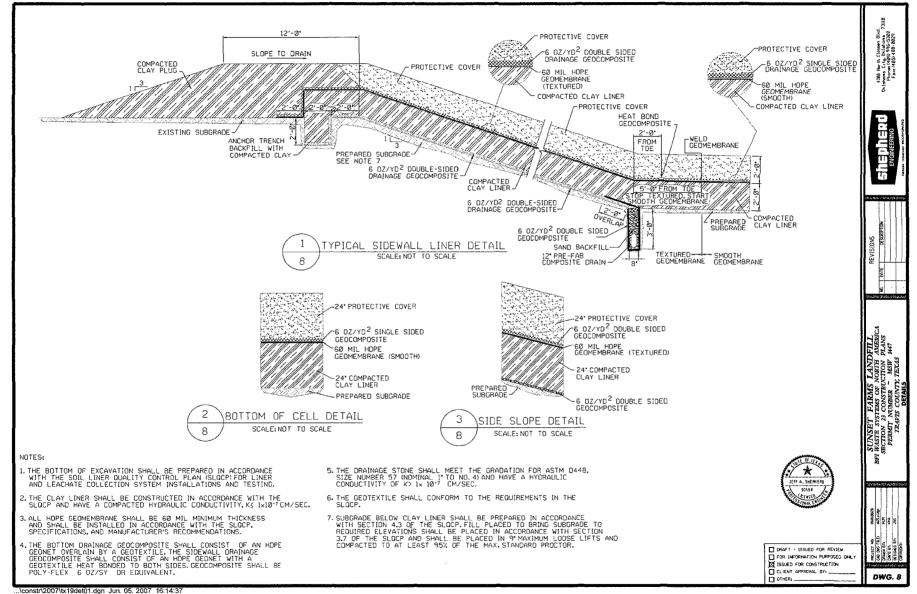
Respectfully submitted,

Mark C. Krause

Chain of Custody

Austin Analytical 3267 Bee Caves Suite 107 Austin, TX 78746 (512) 891-7777

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EPAHO106000852

Jon Anstey BFI Sunset Farms 9912 Giles Rd. Austin, TX 78754





Control # 68056

Project

Sample Condensate

Date/Time Taken Aug 6, 2008

Matrix waste

Date/Time Rec'd Aug 6, 2008 10:50

<u>Analyte</u>	Result Units	SQL	Date/Time	e Run	<u>By</u>	Method	Blank RPDLimit	<u>MS</u>	MSD	<u>Limit</u>	LCS LCSD	<u>Limit</u>
Ignitability	>150 F		8/6/08	17:26	MCK	1010	0.0			-10		
Acetone	<100 µg/Kg	100	8/6/08	21:09	MCK	8260C	<20 9.6	77.9	85.8		107.0 99.6	
Benzene	34 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 1.1 30	104.1	105.3	70-130	92.7 94.7	80-120
Bromobenzene	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 4.1	87.7	91.4		75.4 84.8	
Bromodichloromethane	<5 µg/Kg	5	8/6/08	21:09	MCK	8260C	<1 13.1	84.7	96.6		80.6 80.5	
Bromoform	<10 µg/Kg	10	8/6/08	21:09	MCK	8260C	<2 13.1	70.2	80.1		83.4 81.5	
Bromomethane	<10 µg/Kg	10	8/6/08	21:09	MCK	8260C	<2 29.6	73.3	98.8		86.8 98.4	
2-butanone	<100 µg/Kg	100	8/6/08	21:09	MCK	8260C	<20 8.7	102.6	112.1		105.7 101.3	
n-Butylbenzene	7 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 0.9	94.6	95.5		89.1 89.8	
sec-Butylbenzene	18 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 0.6	104.1	104.8		94.0 98.9	
tert-Butylbenzene	180 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 3.3	96.6	99.9		88.8 92.4	
Carbon disulfide	<5 µg/Kg	5	8/6/08	21:09	MCK	8260C	<1 3.2	38.0	36.8		78.2 85.2	
Carbon tetrachloride	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 6.2	97.7	91.8		80.8 15.9	
Chlorobenzene	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 3.0 30	94.6	97.5	70-130	87.9 91.5	80-120
Chloroethane	<10 µg/Kg	10	8/6/08	21:09	MCK	8260C	<2 2.4	88.2	90.4		97.3 86.0	
Chloroform	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 2.6 30	101.4	104.1	70-130	90.8 92.6	80-120
Chloromethane	$<$ 10 μ g/Kg	10	8/6/08	21:09	MCK	8260C	<2 0.9	93.7	92.9		122.0 116.6	
Dibromochloromethane	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1 4.7	85.6	89.7		75.0 79.8	

Methods from USEPA unless otherwise noted.

SQL - sample quantification limit (method quantification limit adjusted for sample dilution or concentration)

RPD - MS/MSD precision MS - matrix spike recovery MSD - matrix spike duplicate recovery

LCS/LCSD- laboratory control standard/duplicate recovery

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All analyses were successfully completed and met the requirements of NELAC Chapter 5

except where flagged or noted in an attached Case Narrative.

All estimated uncertainties of test results are within method specifications.

Respectfully submitted,

Mark C. Krause

EPAHO106000853

Jon Anstey BFI Sunset Farms 9912 Giles Rd. Austin, TX 78754





Control # 68056

Project

Sample Condensate

Date/Time Taken Aug 6, 2008

Matrix waste

Date/Time Rec'd Aug 6, 2008 10:50

<u>Analyte</u>	Result Units	$\underline{\mathbf{SQL}}$	Date/Time Run	<u>By</u>	<u>Method</u>	Blank RPDLimit	<u>MS</u>	<u>MSD</u>	<u>Limit</u>	LCS LCSD	<u>Limit</u>
Dibromomethane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 1.7	95.9	94.2		84.5 83.4	
1,2-dichlorobenzene	5.6 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 2.6 30	95.1	97.7	70-130	86.5 88.1	80-120
1,3-dichlorobenzene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 2.3	95.5	97.8		88.9 90.7	
1,4-dichlorobenzene	200 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 1.2	94.0	95.1		91.0 89.6	
Dichlorodifluoromethane	<10 µg/Kg	10	8/6/08 21:0	9 MCK	8260C	<2 6.5	79.8	85.2		118.1 101.3	
1,1-dichloroethane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 4.5	103.8	108.7		100.7 96.3	
1,2-dichloroethane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 3.6 30	95.1	98.6	70-130	89.9 89.2	80-120
1,1-dichloroethene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 1.1 30	104.6	103.4	70-130	93.8 91.2	80-120
cis-1,2-dichloroethene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 4.1	110.0	114.7		99.2 95.6	
trans-1,2-dichloroethene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 3.8	96.5	100.3		82.0 77.5	
1,2-dichloropropane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 5.0	95.1	100.1		90.8 90.8	
2,2-dichloropropane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 6.7	107.5	115.1		114.4 101.4	
cis-1,3-dichloropropene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 10.3	88.9	98.5		89.3 84.1	
trans-1,3-dichloropropene	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 9.9	90.8	100.3		85.8 83.2	
1,3-dichloropropane	<5 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 4.9	89.5	94.0		83.9 84.4	
Ethylbenzene	330 μg/Kg	5	8/6/08 21:0	9 MCK	8260C	<1 4.1 30	102.3	106.6	70-130	90.6 98.5	80-120
2-Hexanone	1100 μg/Kg	25	8/6/08 21:0	9 MCK	8260C	<5 5.4	87.7	92.6		86.2 90.1	
4-methyl-2-pentanone	4600 μg/Kg	10	8/6/08 21:0	9 MCK	8260C	<2 6.2	95.9	102.1		95.6 96.1	
Methylene chloride	<10 µg/Kg	10	8/6/08 21:0	9 MCK	8260C	<2 6.2	73.5	78.3		88.9 81.7	
MTBE	<25 μg/Kg	25	8/6/08 21:0	9 MCK	8260C	<5 10.8	93.3	104.0		102.1 96.1	

Methods from USEPA unless otherwise noted.

SQL - sample quantification limit (method quantification limit adjusted for sample dilution or concentration)

RPD - MS/MSD precision MS - matrix spike recovery MSD - matrix spike duplicate recovery

Jon Anstey BFI Sunset Farms 9912 Giles Rd. Austin, TX 78754





Control # 68056

Project

Sample Condensate

Date/Time Taken Aug 6, 2008

Matrix waste

Date/Time Rec'd Aug 6, 2008 10:50

<u>Analyte</u>	Result Units	<u>SQL</u>	Date/Tim	e Run	<u>By</u>	Method	<u>Blank</u>	RPDLimit	<u>MS</u>	<u>MSD</u>	<u>Limit</u>	LCS LCSD	<u>Limit</u>
Isopropylbenzene	27 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.1	95.6	99.7		82.0 92.2	
n-Propylbenzene	39 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	0.8	106.1	107.0		97.8 101.7	
p-Isopropyltoluene	180 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	3.3	96.6	99.9		88.8 92.4	
Styrene	73 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.5	80.8	84.6		102.2 109.6	
1,1,1,2-tetrachloroethane	<5 µg/Kg	5	8/6/08	21:09	MCK	8260C	<1	12.3	80.3	90.8		75.7 82.2	
1,1,2,2-tetrachloroethane	<10 µg/Kg	10	8/6/08	21:09	MCK	8260C	<2	6.5	86.0	91.8		82.6 88.1	
Tetrachloroethene	41 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	1.1	91.5	92.6		85.5 91.1	
Toluene	890 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	6.6 30	102.6	109.6	70-130	98.0 99.0	80-120
1,1,1-trichloroethane	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.4	91.7	95.9		87.6 88.3	
1,1,2-trichloroethane	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	0.2	89.0	89.2		81.3 82.5	
Trichloroethene	24 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	5.8	97.1	103.0		89.8 89.7	
Trichlorofluoromethane	<5 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.5	101.0	96.5		96.3 98.8	
1,2,4-trimethylbenzene	230 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.4	90.4	94.5		83.3 86.5	
1,3,5-trimethylbenzene	77 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	4.7	92.9	97.5		88.9 91.6	
Vinyl chloride	<10 µg/Kg	10	8/6/08	21:09	MCK	8260C	<2	4.3 30	97.9	102.3	70-130	104.6 102.1	80-120
m,p-Xylenes	750 μg/Kg	5	8/6/08	21:09	MCK	8260C	<1	7.1	106.6	114.5		102.7 110.7	
o-Xylene	310 µg/Kg	5	8/6/08	21:09	MCK	8260C	<1	6.0	95.9	101.8		88.9 94.4	
Dibromofluoromethane (surr)	surr %		8/6/08	21:09	MCK	8260C			107.1		71-124		
Toluene-d8 (surr)	surr %		8/6/08	21:09	MCK	8260C			97.4		85-115		
Bromofluorobenzene (surr)	surr %		8/6/08	21:09	MCK	8260C			92.3		86-115		

 ${\it Methods from USEPA unless otherwise noted.}$

SQL - sample quantification limit (method quantification limit adjusted for sample dilution or concentration)

RPD - MS/MSD precision MS - matrix spike recovery MSD - matrix spike duplicate recovery

LCS/LCSD- laboratory control standard/duplicate recovery

Chain of Custody

Austin Analytical 3267 Bee Caves Suite 107 Austin, TX 78746 (512) 891-7777

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4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Dana Carter

Cc: Matt bowman, Gary Peterson, Prabhaker,

Matt Moser, Joe Camp

From: Miles Root

Lab Memo: 08-142

Date: 08/11/08

Subject: Magnaflow Austin Evaluation 0808-09

A sample of water from Magnaflow Austin, Austin, TX has been evaluated for processing at CES. This sample is evaluation 0808-09. This water is stated to be a leachate condensate from a landfill that may contain a slight amount of motor oil. The volume of this material may be up to three trailer loads.

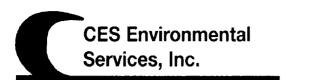
One of the main issues with this water is the potential FO39 code it may have. This will need to be determined. A FO39 listed waste code will mean disposal at an offsite location, and this will affect the pricing.

This water does not treat well. There are many solids formed during the treatment process. These solids do not fall out of solution as is typical when treated. The solids remain suspended in solution, forming a type of sludge, and many solids are formed. If treated at CES, this material will most likely need to go through our normal water treat and then be filter pressed. The solids can be filtered without issue, but this extra handling solids disposal will need to be included in the costs.

No oil was seen in this water. All other parameters looked acceptable except for the nickel concentration, which was a bit high, at 2.9 ppm vs. 2.0 on our discharge limit. Dilution with other "good" water will be required if we treat this material on site.

The table below summarizes the analytical data.

Magnaflow Austin						
Evaluation 0808-09						
рН	6					
Phenols, ppm	5					
TOC, mg/L	2260					
Oil, vol%	0					
Chlor-d-tect, mg/L	N/A					
Treatability	Poor					
Metals, ppm						
Cd	0.057					
Cr	0.123					
Cu	0.042					
Ni	2.886					
Zn	0.121					



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/15/2008

Dear Melissa Saulsbury

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2929

Expiration Date

Generator: Citation-Lufkin **Address:** 1611 N. Raguet

Lufkin, TX 75904-2143

Waste Information

Name of Waste: used oil
TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

draining and collection of oil from various types of bombustion and noncombustion

equipment

Color: black, amber Odor: oil like pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

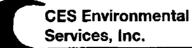
Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

is a baseoil or a black oil for billing. OK Black Oil

4904 Grig
Phone: (7)



GB

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 ISWR No: 30900 U.S. EPA ID No: TXD008950461

SECTION 1: Generator Information							
Company:	Citation-Lufkin						
Address:	1611 N. Raguet						
City, State, Zip:	Lufkin, TX 75904-2143						
Contact:	Melissa Saulsbury	Tîtle:	Environmental Technician				
Phone No:	936-633-4189	Fax No:	936-633-4120				
24/hr Phone:	CES-713-676-1460						
U.S. EPA I.D. No:	TXD008006946						
State L.D.	31246	SIC Code:	3322				
	ng Information – 🔲 Same as Above						
Company:	Citation						
Address:	P.O. Box 3718						
City, State, Zip:	Lufkin						
Contact:	Melissa Saulsbury	Title: Environment	al Technician				
Phone No:	936-633-4189	Fax No: 936-633-4120					
	eral Description of the Waste						
Name of Waste: U Detailed Description combustion equipment	n of Process Generating Waste: Dra	ining and collection of oil fi	om various types of combustion and non-				
Physical State:	☑ Liquid☐ Sludge☐ Solid☐ Filter Ca	Powder Combinatio	n				
Color: black, amber	Odor: Oil Like		•				
Specific Gravity (w	ater=1): <u>.80</u> Density	<u>8</u> lbs/gal					
Does this material	contain any total phenolic compound	ls? 🗌 Yes 🛮 No					
Does this material	contain any para substituted phenoli	c compounds? 🗌 Yes 🛛	⊠ No				
Layers:	⊠ Single-phase ⊠ Mu	lti-phase					
Container Type:	☐ Drum ☒ Tote	☐ Truck	Other (explain)				
Container Size:	<u>300 q</u>						
Frequency:	☐ Weekly 🏻 Monthl	y 🔲 Quarterly	☐ Yearly				
Number of Units (c	ontainers): <u>1-2</u> Other	• •					
Texas State Waste							
Proper U.S. DOT S	·	A; Non-DOT Regulated M	aterial				
•							
Class: NA	UN/NA: NA	PG: NA	RQ: NA				

70/S0.9

l

Flash Point >150	pH neutral	Reactive Sulfides Omg/I	Reactive Cy 0mg/l	/anides	Solids <u>0-2</u> %
Oil&Grease >1500mg/l	TOC >1500mg/l	Zine Omg/l	Copper Omg/l	Nickel Omg/I	

SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	OF %
Mineral Oil Petroleum Source	50-100	%
Motor Oil-Various Weights	50-100	%
Water	0-5	%
Dirt	0-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{D}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES Evaluation

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Printed Name/Title: Melissa Saulsbury / Environmental Technici	<u>an</u>
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Polyman Approved Rejected	
Approval Number: 2929	

2

TX FNDRY ENU

Date: 4/29/08

#0:60 800Z-2I-9NH

SE	210N 10: Waste Receipt Classification Under 40 CFR 437
ls	this material a wastewater or wastewater sludge? YES NO
If	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	ils Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcutegory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L .ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

70/20.9

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

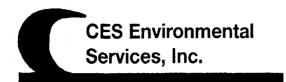
ι.	Base Pricing (including freight):	
5	Base Oil Material CES Pays 65 cents per gallon net oil of composite sample Must contain >60% oil for pay out Black Oil Material CES Pays 45 cents per gallon net oil of composite sample Must contain > 60% oil for pay out If >40 but <60 % oil no pay out. Less than 40% oil charge \$65.00 per tote Transportation \$70.00 per hour plus FSC	
2.	Contamination Limits (maximum limit before surcharges apply):	
	See Above ; Cannot be an emalsion.	
3.	Surcharge Pricing:	
	See Above	
4.	Special Testing Requirements:	
	Standard Oily Water testing; Trest water; maderial agnort be an emulsion.	
Į		
5.	Treatment and Handling Protocol:	
{	Clean Mineral oil to Base oil Combustion oil mixed or not mixed with mineral oil to black oil	
	Combustion on mixed of not mixed with mineral on to black on	
]
6.	Treated Wastewater Discharge Subcategory:	
	☐ Subcategory A ☑ Subcategory B ☐ Subcategory C	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Standard
8.	Management for Product Recovered/Recycled (if applicable);
	See Above

2930 Duilling Controls



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/18/2008

Dear Tim Grebe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2930

Expiration Date 8/18/2010

Generator: Drilling Controls **Address:** 8909 Jackrabbit Road

Houston, TX 77095

Waste Information

Name of Waste: non-hazardous wastewater

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

A 5% combined mixture of Oceanic EPF and Erifon systems cleaner and 95% water usec clean unused hydraulic oil out of a carbon steel tank.

Color: varies

Odor: none

pH: 3-9

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

System | processing Amone - cannot go to waste water. 4904 Phon

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

ESS FOR TIM Cicke

							
SECTION 1: Gener	ator Information						
Company :	Drilling Controls						
Address :	8909 Jackrabbit Road 8909 Jackrabbit Rd						
City, State, Zip:	Houston TX 77095	5					
Contact :	Tim Grebe			Title :			
Phone No:	(281) 656-3154			Fax:	(281) 855-0319		
24 / HR Phone:				_			
U.S EPA I.D No:	TXCESQG			_			
State I.D:	CESQG			SIC Code	na		
SECTION 2: Billing	Information						
Company:	Drilling Controls						
Address :	8909 Jackrabbit R	oad 8909 Jackrabbit	Rd				
City, State, Zip:	Houston TX 77095	5					
Contact :	Tim Grebe			Title :			
Phone No:	(281) 656-3154			Fax:	(281) 855-0319		
SECTION 3: General	al Description of the	Waste					
	Non-hazardous wa				the state of the state of the	eren (f.	
		s Generating Waste					
		:PF and Erifon system		% water use	nd to clean unused	hydraulic oil out of a	
carbon steel tank.	lixture of Oceanic E	er and Emon system	ns cleaner and 95	70 Water use	eu to clean unuseu	riyuradiic oli out or a	
Physical State :	🔀 Liquid	Sludge	Po	wder			
	Solid	Filter Ca	nke 💹 Co	mbination			
Color:		varies	Odor:		MONE		
Specific Gravity	(Water=1) :	1-1.5	Density :		8.5	lbs / gal	
Does this material	contain any total pho	enolic compounds?	Yes	√No			
Does this material	contain any para sul	stituted phenolic con	pounds?	Yes	₹ No		
Is the Waste subject	ct to the benzene wa	ste operation NESHAF	?? (40 CFR Part 61,	Subpart FF)	☐ ¥es	☐ No	
	2816 2819 2821	2822 2823 282			36 2841 2842	2843 2844 2851	
2861 2865 2	2869 2873 2874	2876 2879 289	2892 2893	2896 28	99 2911 3312	4953 4959 9511	
Layers :	🗷 Single-Ph	as 📵 Multi-P	hase				
Container Type :	Drum	🔀 Tote 🙎	Truck	Other (exp	olain)		
Container Size :	250-5000 00			-4			
Manaber Of Units	أل						
和"Yes", then pl	Hazardous Waste" ease complete, sign a	nd date the Underlying	Yes Hazardous Constitue	No No nts Form atta	ched hereto		

Characteristic for Toxic M	etals:	,		D007 D011	
Characteristics for Toxic					
Is this an "F" or "K" Listed	d waste or mixed w	ith one	? Yes No		
If "Yes", then please li	st ALL applicable o	odes:			
Is this a commercial production 261.33(e) or (f)?	uct or spill cleanup	that wo	ould carry a "U" or "P" was	te code under 40 CFR	Yes 🗷 No
If "Yes", then please I	ist ALL applicable o	odes:			
Texas State Waste Code	No :	ESQ	2191		
Proper U.S. State Waste	Code No :		non-RCRA/Non I	OOT regulated waste√vε⊳	er
Class : na	UN/NA :	na	PG :	na ————	RQ: na
Flash Point >200	р Н 3-9		Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids
Oil and Grease	TOC		Zinc	Copper	Nickel
<i> </i>	0	mg/l	0 mg/l	0 mg/l	0 mg/l
SECTION 4: Physical and Ch The material /	COMPONENTS product consists	of the fo	ollowing materials	Concentrati Ranges are acc	eptable or %
	diethern water	Cleran	111.167	<i>5=10</i> 9 0 -95	%
	water			38 33	,
SECTION 5: Safety Related I	Data				
If the handling of this was Level D	ste requires the u	se of sp	pecial protective equipme	nt, please explain.	
SECTION 6: Attached Suppo	ortina Documents			*	
List all documents, notes MSDS		lysis at	tached to this form as pa	rt of the waste approval p	oackage.
SECTION 7: Incompatibilitie	s				
Please list all incompatib	ilities (if any):				
NonE					
SECTION 8: Generator's Kno	owledge Documenta	tion			
Laboratory analysis of the following generators kno		e chara	cteristics, listed below, V	VAS NOT PERFORMED b	ased upon the
TCIP Metals :	×				
7 ℂIP Volatilies :	<u>x</u>				
TOJP Semi-Volatiles :	X				

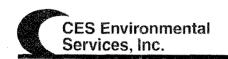
React	tivity :	X		
Corro	sivity:	X		
Ignita	bility:	<u>x</u>		
SECTI	ON 9: Waste Receipt C	Classification Under 40 CFR 437	/	
Is this	material a wastewate	er or wastewater sludge ?	YES	X NO
If 'YE	S', complete this secti	on		
PLEA	SE CHECK THE APP	PROPRIATE BOX: IF NO APP	PROPRIATE	CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Sub	part A		
	Spent electroplating	baths and/or sludges		
	Metal finishing rinse	water and sludges		
	Chromate wastes			
	Air pollution control I	olow down water and sludges		
	Spent anodizing solu	utions		
	Incineration wastewa	aters		
	Waste liquid mercur	y		
	Cyanide-containing	wastes greater than 136 mg/l		
	Waste acids and bas	ses with or without metals		
	Cleaning, rinsing, an	d surface preparation solution	s from elect	troplating or phospha
	Vibratory deburring v	wastewater		
	Alkaline and acid so	lutions used to clean metal pa	rts or equip	ment
Oils S	Subcategory: Sub	part B		
	Used oils	•		
	Oil-water emulsions	or mixtures		
	Lubricants			. 1
	Coolants			
	Contaminated groun	dwater clean-up from petroleu	m sources	
	Used petroleum prod	ducts		
	Oil spill clean-up			
	Bilge water			
	Rinse/wash waters fi	rom petroleum sources		
	Interceptor wastes	e e e e e e e e e e e e e e e e e e e		
	Off-specification fuel	s		
	Underground storage	e remediation wastes		
	Tank clean-out from	petroleum or oily sources		
	Non-contact used gly	ycols		
	Aqueous and oil mix	tures from parts cleaning oper	ations	
	Wastewater from oil	bearing paint washes		
Organ	nics Subcategory Su	bpart C		
	Landfill leachate	•		
	Contaminated groun	dwater clean-up from non-peti	oleum sour	ces
	Solvent-bering waste	es		
	Off-specification orga	anic product		
	Still bottoms			
	Byproduct waste glyd	col		
	Wastewater from pai	nt washes		

Wastewater from adhesive and/or epoxies formulation

Wastewater from organic chemical present the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of the present of t		1. 11
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Tank clean-out from organic, non-petr	roleum sources	
(1) If the waste contains oil and grease at or	in excess of 100 mg/L, the waste should be classified in the	oils subcategory
	than 100 mg/L, and has any of the pollutants listed below in set should be classified in the metals subcategory	concentrations in
Cadmium: 0.2 mg/L Chromkum: 8,9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L		
(3) If the waste contains oil and grease less or nickel above any of the values listed a	than 100 mg/L, and does not have concentrations of cadmiu above, the waste should be classified in the organics subcate	m, chromium, copper, gory.
☐ Metals Subcetegory		
Oile Subcategory	,	
Organics Subcategory		
SECTION 10: Additional instruction		
Chromium, Copper, Nickel, and Oil and Gree	ory in Section 9 and you did not furnish data for the concentrate, CES will send offsite to a commercial laboratory a samplice. The generator will be responsible for the cost of the analy	e to determine these
Chromium, Copper, Nickel, and Oil and Gree concentrations. This will be prior to acceptan SECTION 11: Generator's Certification	ase, CES will send offalte to a commercial laboratory a samplece. The generator will be responsible for the cost of the analyse.	e to determine these /sis.
Chromium, Copper, Nickel, and Oil and Gree concentrations. This will be prior to acceptant SECTION 11: Generator's Certification The Information contained herein is based above and attached description is completed.	ase, CES will send offsite to a commercial laboratory a sampl	e to determine these vis. I hereby certty that the codetermine that no exacts have been
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DEILLING CONTROLS



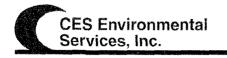
☐ Subcategory A

Subcategory B

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
·30/gai - # 250 pri-
Tote - \$185.00
2. Contamination Limit (maximum limit before surchages apply):
PH is Haz Should conform to profile
Elash 61400
3. Surcharge Pricing:
None
4. Special Testing Requirements:
TOC, pH, metals, phenols, flash
5. Treatment and Handling Protocol:
High TOC - Forward to Newpark
if low- Trent as class I waste water
6. Treated Wastewater Discharge Subcategory:

Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recove	red/Recycled (if applicable):		
NA			
8. Management for Produc	t Recovered/Recycled (if applicab	le)	
NA			
<i>,</i> , , , ,			

MATERIAL SAFETY DATA SHEET
Page 1 of
Revised 5/14/5
QUINTOLUBRIC® 807 BOP 4[§]
QUAKER CHEMICAL CORPORATION
Replaces 5/06/5
Printed 7/24/5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER:
QUAKER CHEMICAL CORPORATION
ELM STREET
CONSHOHOCKEN, PA 19428-0809
(610) 832-4000

EMERGENCY TELEPHONE NUMBERS:

- * TRANSPORTATION:
 - ** CHEMTREC: (800) 424-9300
- * EMERGENCY HEALTH & SAFETY INFORMATION: ** OUAKER CHEMICAL CORP: (800) 523-701

	2. COMPOSITION/INFORMATION ON INGREDIENTS	
CAS NO.	CHEMICAL NAME	PERCENT
111-42-2	DIETHANOLAMINE	5-10%

3. HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE:

0.46PPM IS THE TLV (SKIN) FOR DIETHANOLAMINE (ACGIH).

PRIMARY ROUTES OF ENTRY:

INHALATION, SKIN CONTACT, EYE

TE CONTACT:

WILL CAUSE EYE IRRITATION.

SKIN CONTACT:

WILL CAUSE SKIN IRRITATION.

INHALATION:

INHALATION OF VAPOR OR MIST MAY PRODUCE RESPIRATORY IRRITATION.

EFFECTS OF OVEREXPOSURE:

INGESTION: INGESTION MAY CAUSE NAUSEA, DIARRHEA AND STOMACH DISCOMFORT.

4. FIRST AID MEASURES

EYES: FLUSH PROMPTLY WITH COOL RUNNING WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN: WASH THOROUGHLY WITH SOAP AND WATER. CALL A PHYSICIAN, IF NECESSARY.

INGESTION: CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS

MATERIAL SAFETY DATA SHEET

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4. FIRST AID MEASURES (Cont.)

DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED): NA BOILS >212 F.

FLAMMABLE LIMITS: ND

LOWER: ND

UPPER: ND

EXTINGUISHING MEDIA:

CO2, FOAM, DRY CHEMICAL.

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS:

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
DILUTE WITH LARGE VOLUMES OF WATER; NEUTRALIZE WITH MILD ACID. WASH AREA WIT
HILD DETERGENT AND WATER.

ENVIRONMENTAL IMPACT:
NOT DETERMINED

7. HANDLING AND STORAGE

STORAGE TEMPERATURE (MIN./MAX.): 40 F./110 F.

SHELF LIFE: 9 MONTHS

SPECIAL SENSITIVITY:
NOT DETERMINED

HANDLING AND STORAGE PRECAUTIONS:
DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.
DO NOT TAKE INTERNALLY. WASH THOROUGHLY
AFTER HANDLING.

OTHER PRECAUTIONS: NONE.

4 P.

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QUAKER CHEMICAL CORPORATION Replaces 5/06/9
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:

WEAR SAFETY GOGGLES.

PROTECTIVE GLOVES:

RECOMMENDED

RESPIRATORY PROTECTION:

FOR FIRE CONDITIONS OR EXPOSURE ABOVE TLV: WEAR NIOSH/MSHA APPROVED RESPIRATORS.

VENTILATION REQUIREMENTS:

LOCAL EXHAUST IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

EYE WASH FACILITY AND SAFETY SHOWER RECOMMENDED.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING/MELTING POINT:

> 212 F.

SPECIFIC GRAVITY (H20=1):

..005 @ 60 F.

VAPOR DENSITY (AIR=1)

ND

VAPOR PRESSURE:

ND

PERCENT VOLATILE BY VOLUME (%):

ND

PERCENT SOLID BY WEIGHT:

ND

EVAPORATION:

ND

SOLUBILITY IN WATER:

COMPLETELY

PH:

9.1-10.1 @ 3.0%

APPEARANCE AND ODOR:

CLEAR, GREEN AMBER FLUID; MILD ODOR.

DLATILE ORGANIC COMPOUND (VOC):

		MATER.	AI	SAFETY	DATA	SHEET		Page Revised	4 of
QUINTOLUBRIC® 80								REVISED	2/14/5
QUAKER CHEMICAL	COR:	PORATION						Replaces	5/06/5
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	9.	PHYSICAL AN	D_	CHEMICAL	PRO)	PERTIES	(Cont.)	alaharan makin meleliyan yanga <u>makin mengangan yang mel</u> angan sa	
NOT DETERMINED									

10. STABILITY AND REACTIVITY

STABILITY: STABLE.

CONDITIONS CONTRIBUTING TO INSTABILITY:

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

INCOMPATIBILITY:
STRONG ACIDS, STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: (THERMAL) NONE.

11. TOXICOLOGICAL INFORMATION

HIS PRODUCT DOES NOT CONTAIN ANY MATERIAL SHOWN TO BE A CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM (NTP), THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) OR OSHA.

THIS PRODUCT CONTAINS DIETHANOLAMINE. THIS MATERIAL HAS BEEN SHOWN TO CAUSE DELAYED KIDNEY AND LIVER DAMAGE WITH REPEATED PROLONGED OVEREXPOSURES IN LABORATORY TESTING WITH ANIMALS. THESE EFFECTS WERE GENERALLY SEEN IN FEEDING OR DRINKING WATER STUDIES; HOWEVER, THERE WAS AT LEAST ONE POSITIVE FINDING IN STUDIES OF DERMAL ABSORPTION. THE RELEVANCE OF ANIMAL TEST DATA TO DETERMINATIONS ABOUT THE HAZARDOUS NATURE TO HUMANS IS UNKNOWN AT THIS TIME. AS WITH ANY INDUSTRIAL PRODUCT, THE PRACTICE OF GOOD PERSONAL HYGIENE IS RECOMMENDED WHERE PROLONGED CONTACT IS ANTICIPATED. IN ADDITION, THE PERSONAL PROTECTIVE EQUIPMENT (PPE) RECOMMENDED SHOULD ALWAYS BE WORN. EXPOSURES TO MISTS, AEROSOLS, OR FUMES SHOULD BE MINIMIZED.

PRELIMINARY FINDINGS FROM THE NATIONAL TOXICOLOGY PROGRAM SUGGEST AN INCREASED INCIDENCE OF LIVER TUMORS IN MICE DERMALLY EXPOSED FOR THEIR LIFETIME TO DIETHANOLAMINE. THE SIGNIFICANCE OF THESE FINDINGS AND THEIR RELEVANCE TO HUMANS ARE NOT CLEAR AS DIETHANOLAMINE WAS NOT GENOTOXIC (NEITHER MUTAGENIC OR CLASTOGENIC), AND DID NOT INDUCE TUMORS IN RATS OR IN TRANSGENIC MICE SIMILARILY TREATED. ADDITIONAL RESEARCH WHICH IS DESIGNED TO PROVIDE A BETTER UNDERSTANDING OF THE SIGNIFICANCE OF THESE OBSERVATIONS TO HUMANS, IF ANY, IS UNDERWAY.

QUINTOLUBRIC® 807 BOP 4	MAT	ERIAL S	SAFETY	DATA	SHEET		Page Revised	
QUAKER CHEMICAL CORPORA	TION	**************************************		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second 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	12.	ECOLOG	FICAL	INFOR	MATION			
NO DATA AVAILABLE.								

• تبنيز للقائل الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء الماء

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

DILUTE WITH LARGE VOLUMES OF WATER; NEUTRALIZE WITH MILD ACID. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL EPA REGULATIONS.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS DIETHANOLAMINE), 9, UN 3082, PG III.

THIS IS FOR BULK SHIPMENTS ONLY! (UNLESS INDICATED ON BILL OF LADING OR ON DRUM WITH THE CLASS 9 LABEL.)

D.O.T. HAZARD CLASS: CLASS 9

UN/NA ID NUMBER:

- 25 g

UN 3082

EMERGENCY RESPONSE GUIDE NUMBER:

ERG # 171

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA):
THIS PRODUCT AND/OR ALL THE INGREDIENTS CONTAINED IN THIS PRODUCT HAVE BEEN
REGISTERED UNDER THE TOXIC SUBSTANCES CONTROL ACT.

R.C.R.A.:
THIS PRODUCT DOES NOT MEET THE DEFINITIONS OR CONTAIN ANY SUBSTANCE APPEARING
IN THE LISTINGS CONTAINED IN 40CFR261, "IDENTIFICATION AND LISTING OF
HAZARDOUS WASTE."

THIS PRODUCT CONTAINS DIETHANOLAMINE WHICH IS SUBJECT TO THE ANNUAL REPORTING REQUIREMENTS UNDER SECTION 313 OF SARA, TITLE III. CONTACT THE EPA FOR INFORMATION REGARDING THE REPORTING REQUIREMENTS.

THIS PRODUCT HAS BEEN REVIEWED IN ACCORDANCE WITH SECTIONS 311 (MSDS INVENTORY) AND SECTION 312 (TIER I/II INVENTORY) OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (CFR 40 370.2) FOR "HAZARD CATEGORY" STATUS JNDER APPLICABLE DEFINITIONS, THIS PRODUCT MEETS THE FOLLOWING CATEGORIES:

	MATERIAL	SAFETY	DATA	SHEET	Page	6 of
					Revised	5/14/9.
QUINTOLUBRIC® 807 BOP 4						•
QUAKER CHEMICAL CORPORAT	ION				Replaces	5/06/9
					Printed	7/24/9

15. REGULATORY INFORMATION (Cont.)

IMMEDIATE (ACUTE) HEALTH HAZARD AND DELAYED (CHRONIC) HEALTH HAZARD.

THIS PRODUCT DOES NOT CONTAIN OR WAS NOT MANUFACTURED WITH ANY OF THE EPA CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

TRADE SECRET CLAIM IS MADE IN ACCORDANCE WITH SECTION 317.2 OF THE PENNSYLVANIA WORKER AND COMMUNITY RIGHT-TO-KNOW ACT (TITLE 34).

16. OTHER INFORMATION

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS BASED ON THE NEAT OR CONCENTRATED PRODUCT AS SHIPPED.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATING (HMIS)

HEALTH* 2

FLAMMABILITY 0

REACTIVITY

PERSONAL PROTECTION B

. 77

*PERSONAL PROTECTION RECOMMENDATIONS SHOULD BE REVIEWED BY PURCHASERS. WORKPLACE CONDITIONS ARE IMPORTANT FACTORS IN SPECIFYING ADEQUATE PROTECTION.

REASON FOR ISSUE ...: UPDATED HMIS RATING

PREPARED BY MICHAEL RUSSO

TITLE REGULATORY & ENVIRONMENTAL AFFAIRS SPECIALIST

APPROVAL DATE: MAY 6, 1998 PRODUCT NUMBER: E-11989

THIS PRODUCT'S SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH/SAFETY/ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE ACCURATE. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR TO BE IMPLIED, REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE PRODUCT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCT. SUCH CONDITIONS SHOULD COMPLY WITH ALL FEDERAL REGULATIONS CONCERNING THE PRODUCT. QUAKER CHEMICAL CORPORATION ASSUMES NO LIABILITY FOR ANY INJURY OR DAMAGE, DIRECT OR CONSEQUENTIAL, RESULTING FROM THE USE OF THIS PRODUCT UNLESS SUCH INJURY OR DAMAGE IS ATTRIBUTABLE TO NEGLIGENCE ON THE PART OF QUAKER CHEMICAL CORPORATION.

NA = NOT APPLICABLE, ND = NOT DETERMINED, < = LESS THAN, > = GREATER THAN



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

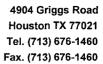
1.	Base Pricing (including freight):
	\$65/dm
2.	Contamination Limits (maximum limit before surcharges apply):
	None, Non conforming to profile
3.	Surcharge Pricing:
	N one
4.	Special Testing Requirements:
	Flash) PH
5.	Treatment and Handling Protocol:
	Class 1 liquids or sludge depending on consistancy; Avoid contaminating waste water; process natorial to system 1 it it is a liquid and the flost a pit one ok.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

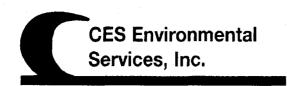


PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na

79 8-4-09 LAO T-35





Waste Pre-Acceptance/Approval Letter

Date 8/18/2008

Dear John Winne

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2931

Expiration Date 8/18/2010

Generator: Hitemco Southwest-Lozano

Address: 6421 Lozano

Houston, TX 77041

Waste Information

Name of Waste: carbide dust and filters

TCEQ Waste Code #: CESQ3192

Container Type:

Detailed Description of Process Generating Waste:

collection of carbide dust rhrough filter system

Color: white to grey

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level c- use respiratory protection

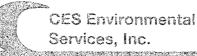
If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

The can be astreelly mids.



4904 Griggs Road Houston. TX

Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 ISWR No: 30900

U.S. EPA ID No: TXD008950461

11

Company:	rator Information Hitemco Southwest				
Address:	6421 Lozano			· · · · · · · · · · · · · · · · · · ·	
City, State, Zip:	Houston, TX 77041				
Contact:	John Winne		Title:	Sr Deve	lopment Engineer
Phone No:	713-466-9655		Fax No:	713-466-	
24/hr Phone:	CES 713-676-1460			-7.25 1.00	17.02
U.S. EPA I.D. No:	CESQG				
State I.D.	CESQG		SIC Code:		
SECTION 2: Billin	g Information – 🔀 Sa	me as Above			
Company:	miorination y Su				
Address:					
City, State, Zip:				·····	
Contact:		Title:		· · · · · · · · · · · · · · · · · · ·	
Phone No:		Fax N			
					
SECTION 3: Gener	al Description of the	Waste			
	bide Dust and Filters of Process Generatin	g Waste: Collection	of carbide dust thr	ough filter sys	stem
Physical State:	□ Liquid☒ Solid	☐ Sludge☐ Filter Cake	☐ Powder ☐ Combina	tion	
Color: White to Grey	Od	lor: <u>none</u>	0		
Specific Gravity (wa	ter=1): 14 v	Density: 10 lbs	s/gal		
Does this material co	ontain any total pheno	dic compounds? 🔲	Yes No		
Does this material co	ontain any para substi	tuted phenolic comp	ounds? [] Yes	⊠ No	
Layers:	Single-phase	☐ Multi-pha	se		
Container Type:	□ Drum	Tote	Truck	\boxtimes	Other (explain)
• •		_ • • • • •		الد	• • •
Container Size:	<u>55 gal</u>				Tote with sack
Frequency:	☐ Weekly	Monthly		v 🗇	Yearly
	•	<u>=</u>		J Ll	1 VIII 1 J
Number of Units (co	,	Other:			
Γexas State Waste C	ode No: CES	Q3192			
					······································
Proper U.S. DOT Sh	ipping Name:	Non-RCRA; Non	n-DOT Regulated	Material	

Flash Point	pН	Reactive Sulfides	Reactive Cya	anides Solids
<u>none</u>	<u>neutral</u>	<u>O</u> mg/l	<u>0</u> mg/l	<u>100</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
<1500mg/l	<1500mg/l	mg/l	>100mg/I	>50mg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Metal Oxides (Al, Ti, Fe, Zr, Y)	80-90	%
Silica Dioxide	1-3	%
Nickel	0-1	%
Cobalt	0-3	%
Chromium (non-leachable)	0-1	%
Paper Filter Element	20-50	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C-Use Respiratory Protection

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Analysis-MES Report 8070234

SECTION 7: Incompatibilities

TCLP Metals: TCLP Volatiles:

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Χ

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Semi-Volatiles:	<u>X</u>						
Reactivity:							
Corrosivity:							
Ignitability:							
SECTION 9: Generato	r's Certification						

The information contained herein is based on 🛛 generator knowledge and/or 🖾 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date: F/8/08
Printed Name/Fitte: John WWARE	Die 24684 DEV
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Pable of Thorge A	
Date: 8-18-08 Approved Rejected	
Approval Number: 2931	

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? YES M NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Drum: \$50.00 each Tote (Bag): \$100.00 Transportation \$200.00 Trip Fee plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):
	NA, There cannot be any free liquids
3.	Surcharge Pricing:
	NA .
4.	Special Testing Requirements:
	NA:, No Free liquids
5.	Treatment and Handling Protocol:
	Class II Solids or HPP Recycling
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	NA ·
_	
8.	Management for Product Recovered/Recycled (if applicable):
	NA

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: 7134175737 Fax:

(713) 676-1676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

8070234

Client Sample ID:

Carbide Dust

Project#: Hitemco-co-zamo

Extended ID:

PO# 0708-30 Project Name: Hitemco-cozamo-curbside

Sample Collect Date: 7/10/2008 @ 10:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 7/14/2008 @ 4:13:00 PM

Test Group / Method					
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: JCA Date / Time
Antimony	0.032	1	< 0.032	mg/L	7/30/2008 / 6:39 PM
Arsenic	0.014	5	< 0.014	mg/L	7/30/2008 / 6:39 PM
Barium	0.0005	100	0.0790	mg/L	7/30/2008 / 6:39 PM
Beryllium	0.0005	0.08	< 0.0005	mg/L	7/30/2008 / 6:39 PM
Cadmium	0.002	1	< 0.002	mg/L	7/30/2006 / 6.39 PM
Chromium	0.002	5	< 0.002	mg/L	7/30/2008 / 6:39 PM
Lead	0.005	5	< 0.005	mg/l	7/30/2008 / 6:39 PM
Nickel	0.003	70	0.179	mg/L	7/30/2008 / 6:39 PN
Selenium	0.024	1	< 0.024	mg/L	7/30/2008 / 6:39 PM
Silver	0.002	5	< 0.002	mg/L	7/30/2008 / 6:39 PM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: JCA Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	7/30/2008 / 2:00 PM
Reactivity, Recoverable Hydrog Method, 7.3.3.2	en Cyanide MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Cyanide	0.25		< 0.25	mg/kg	7/22/2008 / 3:30 PM
Reactivity, Recoverable Hydrog Method: 7.3.4.2	en Sulfide MDL		Result	Units	Analyst: CL Date / Time
Hydrogen Sulfide	0.25		< 0.25	mg/kg	7/22/2008 / 9:00 AM
Corosivity: pH Method: SW-846 9045	MDL		Result	Units	Analyst: JE Date / Time
Hq			8.43		7/15/2008 / 2:25 PM

Report Date: 05-Alig-08

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

8070234

Client Sample ID:

Carbide Dust

Project#: Hitemco-co-zamo

Extended ID:

PO# 0708-30 Project Name: Hitemco-cozamo-curbside

Sample Collect Date: 7/10/2008 @ 10:00:00 AM

Sample Type:

Grab

Sample Receipt Date: 7/14/2008 @ 4:13:00 PM

Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DEB Date / Time		
Flashpoint		>150	deg F	7/17/2008 / 1:30 PM		
Result is > 160						
Total Petroleum Hydrocarbons Solio Method: TNRCC 1005	MDL	Result	Units	Analyst: HDG Date / Time		
C6 - C12 Hydrocarbons	4	< 4	mg/kg	7/20/2008 / 2:52 PM		
>C12 - C28 Hydrocarbons	8	44	mg/kg	7/20/2008 / 2:52 PM		
>C28 - C36 Hydrocarbons	8	148	mg/kg	7/20/2008 / 2:52 PM		
Total TPH	20	192	mg/kg	7/20/2008 / 2:52 PM		

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL≃regulatory limit

Tuesday, August 05, 2008

John Keller, Ph.D., Lab Director

Date

Report Date: 05-Aug-18

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Page 2 of 2

8070234

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L		CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005		105	81.2	83.6	2.9
Arsenic	< 0.002	94	94	0.7	< 0.002		91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	-	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002		107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001		107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001		103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002		107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.000	2	102.0			
Nickel	< 0.001	105	106	1.66	< 0.001		104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	Ļ	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001		104	73.4	75.6	3.06
ANALYTES	METHOD TPH1005	MB mg/kg		CCV %REC	MS %REC	MSD %REC				
THE !				70	74.12.5					
C6-C12 C12-C28	, The second second second second second second second second second second second second second second second	< 4 < 8		94 93	108 97	98 93				
ANALYTE	·	STD								
Flashpoint		82°F								
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD						
рН	7.0	6.20	6.23	0.48				-		
ANALYTE	ORIG	DUP mg/kg	mg/kg	RPD						
reactivity as I	Hydrogen Sulfide	< 0.25	< 0.25	0.00						
ANALYTE	march)	ORIG mg/kg	DUP mg/kg	RPD	STD %REC					
Reactivity as	Hydro n Cyanide	< 0.25	< 0.25	0.00	110					

- Merca Environmental Services, Inc. –

PAGE 03/05

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MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate
MB-Method Blank
CCV≈Continuing Calibration Verification
%Rec≃Percent Recovery
RL=Regulatory Limit

Signature:__

John Keller / Laboratory Director

August 4, 2008

Mercury Environmental Services, Inc. -

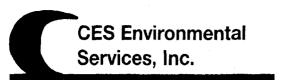
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08/05/2008

COMPANY NAME: (BILL TO:)	הוטונים	MME	m/e/		_] ,	ME	ES		- CHAI	N OF	CUST	rody	1-800-771-4MES (281) 476-4534
COMPANY ADDRESS:		47-	310	····	$ \left \begin{array}{c} \tilde{l} \\ \tilde{e} \end{array} \right $	Mercu 1913 Hu	iry E vy. 225	nviron • Deer I	menta Park TX	l Se. 77536	rvices	3	Fax (281)-476-4403
CONTACT PERSON'S NAME:	19 /3	1446 27	bura	w.		PA	RAMET	ERS FOR	ANALYS	ıs		ر پ	REMARKS TURNAROUND TIME
YOUR PROJECT NO. YOUR PO. W. PROJECT ADDAY SE	O Hix	YOUR PR	OJECT NAME:	0-6j0	e	1 A	Y/Q		//		NUMBER OF CONTU	PRESERVATIONS	TID.
JUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRI	1/1/2	1	/'^\	/ /		{	NUMBI	PRESE	Please circle one, il Yes, please describe below
Earbirle Dust	: 6	7-1000	10:00	y 50%	8/ /						(or include separate sheet datailing requirements.
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3.4													
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PERSON TAKING SAMPLE SIGNATUFE (6 Print Name	s & b Sign. :			F	EUNQUISHEE	BY:			DAT		TIME		EVED BY:
RELINQUISHED BY Branch College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College	FE TIME		BY:	,	ELINOUISHEE ignature)		1/6	_	DA		TIME	REC	USON DIOM ON EIVED BY: ENLIED
METHOD OF PAYMENT SH	A/6) PPED BY:		(Sign)					RECEIVE (Segnature	D FORMES	BY:	<u></u>		DATE TIME 16:13
Sample Remainder Disposal			 .	P	Request L	ab To Di	spose O	I All Samp	e Remaind	iers	$\overline{}$		7 11/ 200

2895 El Poso Energy

EPAHO106000895



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2895

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: Totaline POE68 refigeration lubricant

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

maintenance in control room

Color: clear

Odor: none

pH: 6-9

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

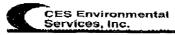
level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Ko

OK



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900



SECTION 1:	Generat	or In	formatic	<u>эп</u>										
Company:	EL PASC	ENE	RGY											
Address:	1001 LC	DUISI	ANA #T-3	3180										
City:	HOUSTO	NC				State:	TX		Zip:			77002	_	
Contact:	JEFF FR	ENCH					Title:		MAINT.	JANAG	ER			
Phone Nun	nber:		713-420)-4027			Fax Num	ber:						
24/hr Phon	e Numbe	er:	300-468	3-1760										
US EPA ID I	No:		TXD987	990041	-									
State ID No):		CESQG				SIC Code	:						
				_										
SECTION 2:				LJ ;	Same as	<u>Above</u>								
Company:														
Address:			A EGYPT	ROAD										
City:	MONTG					_State:	TX		_Zip:			7 7 316		
Contact:	ZAC MC	KAU					Title:		PRESIDE					
Phone Nun	nber:		936-483	3-3662			Fax Num	ber:	936-756-	<u> 1226 </u>				
	a 1	.		. £ al 141				,						
SECTION 3:	General	D620	ription (or tue wa	iste									
Name of W			TOTALIA	NE POESS	REFRIGE	RATION L	IBRICANT							
Detailed D		ne P						JANC	E IN CONT	ROL RO	MOM			
DC10	03011P1101	. •	.000.33		B ********								-	
													•	
													•	
Physical Sta	ate:	✓	Liquid			Sludge			Powder					
			Solid			Fliter Cai	ke		Combina	tion				
Color:	CLEAR					_	Qdor:		NONE					
						2.5					. 0/ 11			
Specific Gra	avity (wa	ter=1	.):	_		0.9	28		Density:	25	<u>8</u> "	bs/gal		
D4L:			l	eal mhana		. au and a D	П	Vac	-	l No				
Does this n	națeriai ci	onta	n any to	tai pnend	oue comp	opunas:		Yes	Ľ	No No				
Does this n	naterial c	nnta	ín any n	ara cuheti	tutod ob	enolic con	nnounde?		М	Yes	7 N	No		
DOES LINS II	iateriai C	Onta	III day be	asa sanzri	tuteu pri	GHOILC CON	ripourius;		Ы	163	1 ·	NO .		
Is the Wast	e subiect	to t	ne benze	ne waste	operatio	on NESMA	P? (40 CFR P	art 6	1. Subpari	(FF)		☐ Yes	V	No
							ode from yo					_		
281	•	2813		2816	2819		•	2822	-		2824	Z833		283
283		2836		2841	2842			2844		1	2861	2865		286
2873	3 :	2874		2876	2879	289	91	2892	289	13	2896	2899		291
331		4953		4959	9511					-				
	_					_								
Layers:	V	Şing	le-phase	. [☐ Mult	i-phase								
-		•												
Container '	Type:	1	Drum	☐ To	te [Truck [🗹 Other (e:	kp laii	n)					
	_		_											
Frequency	. □ We	ekly	☑ Mo	nthly 🗀	Yeariy	☐ One-	-Time							
s tarm maidres														

s this a USEPA "Haze If "Yes", then pleas	•		.3?		Yes	☑ No	
If "Yes", is it:	D001 (Ignit	able)] D002 ((Corrosive)	DOC	3 (Reactive)	
Characteristic for To	dc Metals:	□ D00 □ D01		0005 🔲	D006 [D007 D008	□ D009
Characteristic for To	cic Organics: DO	12 thru D043	(please l	ist all that app	ly)		
s this an "F" or "K" L If "Yes", then pleas			e?		Yes	☑ No	
s this a commercial	product or spill (leanup that i	would ca	irry a "U" or "	P" waste o	ode under	
40 CFR 261.33(e) or (f)?		Yes	☑ No			
If "Yes", then pleas	se list ALL applic	able codes:					
Fexas State Waste Co	ode Number:		CESQZ	2191			
Proper US DOT Ship;	ing Name:	NON REGI	JLATED/	NON DOT/NO	N HAZ		
Class: NA	UN/NA:	NA	PG:	NA	RQ:	NA	
Flash Point		pM	Re	eactive Suifide	s R	eactive Cyanides	Sollds

Flash Point	pН	N/A	N/A	Solids
<u>>200</u>	<u>6-9</u>			%
Oil&Grease	TOC	Zinc	Copper	Nickel
Namg/I	2-3000mg/l	<u>Na</u> mg/l	Namg/I	Namg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable			
Totalne Poe 64 Refrigeration Labricant	100	2c		
		 -		

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. MSDS sheets, generator knowledge

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Authorized Signature:

SECTION 8: Material Producer's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Date: 07/10/08

Printed Name/Title: See MX1 Page	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager:	
Date:Approved Rejected	
Approval Number:	

SECTION 5: Safety Relationship of the handling of this will NONE	ated <u>Data</u> raste requires the use of special protective equipment, please explain.
SECTION 6: Attached S	
	s, data and/or analysis attached to this form as part of the waste
approval package.	MSDS
SECTION 7: Incompatit	nilities
Please list ALL incompat	
None Known	someta (ii dity).
<u>.</u>	
SECTION 8: Generator	s Knowledge Documentation
Laboratory analysis of t	he hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following	ng generator knowledge;
TCLP Metals:	0
TCLP Volatiles:	0
TCLP Semi-Volatiles:	0
Reactivity:	0
Corrosivity:	
Ignitability:	0
my knowledge and abili properties exist and tha	
Authorized Signature:	Date: 7-15-08
Printed Name/Title:	ZAC MCKAUGHAN / PRESIDENT
ACCULATE ONLY IN CO.	
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)
Compliance Officer:	9 1 10st
.	Approved Rejected
Date: 7 <u>-22-68</u> Approval Number:	Z89
CAPITARII IANIII PEL	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$65/DM
Į	
2.	Contamination Limits (maximum limit before surcharges apply):
٠.	None
	None
3.	Surcharge Pricing:
	NA NA
[
4.	Special Testing Requirements:
[Make sure product fits MSDS - cleasite was been selvelited as a set bill an block oil
	Make sure product fits MSDS - density, mater solubility, nompatability up black oil,
	4
_	The section of the Little all the December 1
5.	Treatment and Handling Protocol:
	Class 1 Liquids or Sludge box depending on consistancy; process to black oil.
ı	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	Na
0	Management for Durdret December (Managed Alfordale)
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable); Na
8.	
8.	
8.	
8.	
8.	

IN UNIT

JUL/09/2008/WED 02:30 PM

El Paso Encusy

P. 001

Apr. 03, 2008

Mar. 29, 2004

Totaline® POE88 Refrigeration Lubricant P903-1001, P903-1005, P903-1025, P903-10015, P903-10255

Page 1 of 2

MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Totaline POE68 Remgeration Lubricant

Product Number(s): P903-1001, P903-1005, P903-1025, P903-10016, P903-1025S

Product Use: Polyol Ester Compressor Lubricant

North American Research Corporation Company Name:

P.O. Box 1318

Lewisville, TX 75067

Telephone Numbers: (972) 492-1600, (800) 627-7620, Fax (972) 394-6755 Emergencies: Infotrac (800) 535-5063 (24 hours, everyday)

COMPOSITION / INFORMATION ON INGREDIENTS SECTION 2

CAS

Realstry No. **OSHA PEL** **ACCIH TLY**

Other Limits

Date Prepared

Replaces

(Optional)

Contains no hazardous ingredients as defined by OSMA 29 CFR 1910.1200

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear, colorless liquid. Slight petroleum odor.

POTENTIAL HEALTH EFFECTS

INHALATION: Under normal use conditions, this product is not an Inhalation hazard.

SKIN

May cause irritation on repeated or prolonged contact.

EYES: INGESTION: Minor Irritant, Avoid contact as good industrial practice. May cause nauses. Not expected to be scutely toxic by ingestion.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known,

CHRONIC EFFECTS: None known.

SECTION 4 FIRST AID MEASURES

INHALATION: Not likely to occur except as trilst. Remove patient to fresh air and consult a physician. If breathing is difficult, give

oxygen. If not breathing, give artificial respiration.

SKIN:

Remove contaminated clothing and shoes. Thoroughly wash contact area with soap and water. Get medical attention if

inflation or rash develops. Wash dothing before reuse.

EYES:

immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower

eyelids. If irritation persists, call a physician.

INGESTION:

Product is practically non-toxic. DO NOT induce vomiting. Contact a physician or emergency medical facility

immediately,

SECTION 5 FIRE-FIGHTING MEASURES

FLASHPOINT: >464°F (240°C) METHOD: COC LEL: Not determined **UEL:** Not determined

AUTOIGNITION TEMP: Not determined

EXTINGUISHING MEDIA; Dry chemical, carbon dioxide, water fog and foam, NOTE: Water fog and foam may cause frothing and spattering.

HAZARDOUS COMBUSTION PRODUCTS: Furnee, smoke, and carbon monoxide.

FIRE FIGHTING INSTRUCTIONS

Use flooding quantities of water as fog or apray to keep fire-exposed containers cool. Firefighters should wear self-contained breathing apparatus.

SECTION B ACCIDENTAL RELEASE MEASURES

Large spills: Wear appropriate protective clothing. Stop source of leak if possible. Contain spill and keep from entering waterways or sewers. Absorb with Inert material, Shovel, sweep, or vacuum spill,

Small Spills: Spak up with Inert absorbent or wipe up with rags and dispose of properly.

SECTION 7 STORAGE AND HANDLING

STORAGE CONDITIONS

Store in labeled, sealed containers in a cool, dry, well-ventileted area. Keep containers tightly closed until time of use. Refrigeration lubricants are hygroscopic and will absorb moisture from the air. Do not reuse containers. Do not remove or deface label.

HANDLING PROCEDURES:

Wash hands before eating, drinking, or using the restroom. Any clothing or shoes which become contaminated should be removed immediately and thoroughly washed before wearing apain.

P. 002

JUL/09/2008/WED 02:30 PM

Totaline® POE68 Refrigeration Lubricant P903-1007, P903-1006, P903-1025, P903-10258

Page 2 of 2

SECTION 8 EXPOSURE CONTROLS / PERBONAL PROTECTION

EXPOSURE LIMITS; None established. 5 mg/m³ generally recommended for oil mist

RESPIRATORY PROTECTION: Normally not required. If used where mist may occur at high levels, use NIOSH/MSHA approved apparatus.

EYE PROTECTION: Wear safety pleases, Have suitable eyewash water available.

SKIN PROTECTION: Avoid prolonged and/or repeated contact. If prolonged contact cannot be avoided, wear protective impervious gloves and cicining. Acceptable materials for gloves are PVC, Neoprene, Nitrile, Polyvinyl Alcohol, or Viton.

ENGINEERING CONTROLS (Ventilation): Use adequate ventilation to keep oil mist below 5 mg/m³.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Closer, coloriess liquid; light blend petroleum odor.

SPECIFIC GRAVITY: 0.88

MOLECULAR WEIGHT: Not determined

VAPOR DENSITY: >5 (Air = 1)

pH: Not applicable

VISCOSITY: 68 cst @ 40°C

VAPOR PRESSURE: Negligible MELTING POINT: Not determined

SOLUBILITY (N WATER: Insoluble BOILING POINT: >500°F (260°C)

VOLATILES, % BY VOLUME: nll

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID; Ignifion sources (sparks, open fiame, heated surfaces).

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not obdur.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon monoxide and other asphyxiants.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Minimal Inflation on contact,

CHRONIC TOXICITY: This product has not been found to be carcinogenic or a potential carolnogen. It is not listed by NTP, IARC, OSHA, or ACGIH. Nevertheless, good industrial hygienic practices are recommended.

SECTION 12 ECOLOGICAL INFORMATION

No specific data are available.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations. Not an RCRA hazardous waste if uncontaminated. If used, RCRA criteria must be determined.

TRANSPORT INFORMATION SECTION 14

U.S. Department of Transportation:

Not regulated

SECTION 15 REGULATORY INFORMATION

TSCA: All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA: No reportable ingredients

SARA TITLE UI

Section 311/312 Hazard Category: Acute: No

Chronic No.

Pressure: No Fine: No

Reactive Hazard: No

Section 313 Reportable Ingredients: None

CALIFORNIA (Proposition 55): No reportable ingredients.

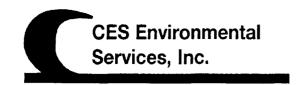
SECTION 16 OTHER INFORMATION

NFPA RATING: Health - 1, Flammability - 1, Reactivity - 0

HMIS® RATING: Health - 1, Flammability - 1, Reactivity - 0

HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint and Coatings Association (NPCA).

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of North American Research Corporation. The data on this sheet are related only to the specific moterial designated herein, North American Research Corporation assumes no legal responsibility for use or reliance upon these data.



Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2896

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: B.M. Acrylic primer TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

general maintenance

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





DB

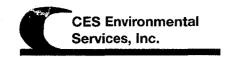
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvirgnmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:				<u>on</u>											
Company:		~		24.00										-	
Address:			IANA #T-	3180		Company							77000	-	
City:	HOUST					_State:	TX		_Zip:	440106			77002	-	
Contact:	JEFF FF	FNCI		0.4007			Title:		MAINT.	MANAC	EK			-	
Phone Nun			713-42				Fax Nu	mber:			·			-	
24/hr Phor		er:	800-46												
US EPA ID I				7990041										-	
State ID No):		CESQG				SIC Cod	te:						•	
SECTION 2:	Billing	Infor	nation -		Same as	Above									
Company:	CKG SE	RVIC	ES							_					
Address:	10707	HON	EA EGYP	T ROAD											
City:	MONT	GOM	ERY			State:	TX		Zip:				77316		
Contact:	ZAC M	CKAL	GHAN			<u> </u>	Title:		PRESIDE	٧T					
Phone Nun	nber:		936-48	3-3662			Fax Nu	mber:	9 36 -756	1226					
SECTION 3:	Genera	l Des	<u>cription</u>	of the Wa	a <u>ste</u>										
Name of W				CRYLIC PR					INITERIA NIC						
Detailed Do	escriptio	n of I	rocess (eneratin	g waste:		GENER	AL IVIA	INTENANC	<u> </u>	•				
Physical St	ate:	[V]	Liquid			Sludge			Powder			_		•	
			Solid			Filter C	ake		Combina	tlon					
Color;	NA					_	Odor:		NONE						
Specific Gra	avity (wa	ater=:	1):	N	4		-		Density:	NA		lbs/ga	اد		٠.
Does this m	naterial (conta	in anv ti	otal pheno	olic come	opunds?	П	Yes	E	. No					
				-				,,,,	_						
Does this n	nateriai (onta	in any p	ara substi	tuted ph	enolic co	mpounds?			Yes	V	Nσ			
is the Wast										-			Yes	V	No
Answer "Ye		r was	te conta	ins benze:			ode from y			of the	followi	ing:			
2812		2813		2816	2819		321	2822			2824		2833		283
2835		2836		2841	2842		143	2844			2861		2865		286
2873	3	2874		2876	2879	28	91	2892	289	3	2896		2899		291
3312	2	4953		4959	9511	•									
Layers:	V	Sing	le-phase	• [] Mult	l-phase									
Container 1	ype:	v	Drum	□ то	te 🗌	Truck	☐ Other (explair	1)						
Frequency:	☐ \A/c	okh.	[J] Man	nthly [7]	Vaarlu	□ Ore	.Time								
Quantity:		. Only	1010		1.50114	One	-11116								

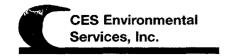
Is this a USEPA "Hazardo If "Yes", then please fi	ous Waste" per 40CFR 261.3 Il out the UHC Form	?	☐ Yes	☑ No		
Characteristic for Toxic N	Metals: ☐ D004 ☐ D010	D011	□ D006	D003 (Reactive)	□ 0009	
Characteristic for Toxic C	Organics: D012 thru D043 (p	lease list all th	hat apply)			
	d waste or mixed with one: st ALL applicable codes:	?	☐ Yes	☑ No		
40 CFR 261.33(e) or (f)?	duct or spill cleanup that we Yest ALL applicable codes:	ould carry a "' es		ste code under		
Texas State Waste Code	Number:	CESQ2191				
Proper US DOT Shipping	Name: NON REGUL	ATED/NON D	OT/NON HAZ			
Class: NA	UN/NA: NA	PG: N	IA	RQ: NA		
Flash Point	рН	Reactive	Sulfides	Reactive Cyanides	Solid	5
NA	NA	NA	mg/l	NA mg/l	NA	%
Oil & Grease	TOC	Ziı		Copper	Nicke	
NA <u>mg/l</u>	NA mg/l	NA	mg/l	NA mg/l	NA	mg/l
SECTION 4: Physical and	Chemical Data			•		
	MPONENTS TABLE			CONCENTRATOIN		UNITS
	ists of the following materia	ils	J	Ranges are acceptable		or %
Α						
	CRYLIC PRIMER			100		%
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
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	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					
	CRYLIC PRIMER					

SECTION 5: Safety Relate	d Data			
	te requires the use of special protective	a equipment, please expl	ain.	
NOME N/A/		,,		
2 • X O —				
				
· · · · · · · · · · · · · · · · · · ·	····			
SECTION 6: Attached Sur				
List all documents, notes,	data and/or analysis attached to this fo	orm as part of the waste		
approval package.	MSDS			
		-		
SECTION 7: Incompatibil	<u>tles</u>			
Please list ALL incompatib	ilities (if any):	,		
None Known				
SECTION 8: Concentor's	(nowledge Do <u>cumentation</u>			
		LE-L MAC NOT DEDEC	DDAED	
	hazardous waste characteristics, listed	Delow, WAS NOT PERFC	KIVIED	
based upon the following	generator knowledge;			
TCLP Metals:				0
TCLP Volatiles:				0
TCLP Sem1-Volatiles:				0
Reactivity:				0
Corrosivity:				D
Ignitability:				0
.6				
SECTION 9: Generator's	ertification			
The information contains		or knowledge and/or	analytica	al data
	— - · · · · ·			di uata.
· ·	pove and attached description is complete			
=	to determine that no deliberate or willi	•		
	ill known or suspected hazards have be		at the	
materials tested are repre	sentative of all materials described by	this document.		
the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				
Authorized Signature:	1/		Date:	7/14/2008
Printed Name/Title:	ZAC MCKAUGHAM / PRESIDENT			
CES USE ONLY (DO NOT W	RITE IN THIS SPACE)			
1	01			
Compliance Officer:	land Tak A			
		Daianad		
Date: 7 <u>-22-08</u>		Rejected		
Approval Number:	Z896			



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$65/DM
2.	Contamination Limits (maximum limit before surcharges apply):
[None
	Trone
1	
3.	Surcharge Pricing:
۱.	
	NA
Į	
4.	Special Testing Requirements:
	Make sure product fits MSDS
- }	
5.	Treatment and Handling Protocol:
	Class 1 Liquids or Sludge box depending on consistancy
ļ	
ı	
6.	Treated Wastewater Discharge Subcategory:
ſ	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
8.	
8.	Management for Product Recovered/Recycled (if applicable): Na
8.	
8.	
8.	

MATERIAL SAFETY DATA SHEET For Coating, Resins, and Related Materials NPCA 1-84 Manufacturer's Name Emergency Telephone No. 800-424-9300 (CHEMTREC) BENJAMIN MOORE & CO. 51 CHESTNUT RIDGE RD MONTVALE, NJ 07645 Date Prepared Last Rev Date Information Telephone No. 10-27-05 01-19-01 201-573-9600 For the most up-to-date MSDS information please visit our website www.benjaminmoore.com/msds/go.html SECTION I - PRODUCT ID ** HMIS CODE ** PRODUCT*: 023, n023 HEALTH: 1 CLASS: WATER THINNED PAINT FLAMMABILITY: 0 NAME: BM FRESH START ALL PURPOSE 100% ACRYLIC PRIMER REACTIVITY: 0 PERSONAL PROT: ** SARA TITLE 312 ** ACUTE: N CHRONIC: N FIRE: N PRESSURE: N REACTIVITY: N For a complete description of HMIS and an explanation of the PERSONAL PROT: code, see Section XX. *NOTE: In the PRODUCT code a little n can be any capital letter of the alphabet except P or Q. ______ SECTION II HAZARDOUS INGREDIENTS INGREDIENT HAZ SARA MAX % CAS # TLV PEL STEL CEIL MM Hq HAZ SARA MAX % CAS # TLV PEL STEL CLIL rm ng Titanium Dioxide Y N 11.4 013463-67-7 10 mg/M3 15 mg/M3 N/E N/E Kaolin, calcined Y N 8.9 092704-41-1 30 mg/M3 N/E N/E N/E N/A Hydrous Aluminum Silicates Y N 6.4 001332-58-7 2 Mg/M3 5 mg/M3 N/E N/E Diatomaceous Earth X N 3.4 061790-53-2 10 mg/M3 5 mg/M3 N/E N/E N/A NOTE: This product contains no reported or suspected carcinogens
Note: This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding. This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm. SECTION III PHYSICAL DATA BOILING RANGE: N/A WT/GALLON: 9.6 to 10.1 % VOL BY VOLUME: 70.1 to 70.6

SECTION IV FIRE AND EXPLOSION MAZARD DATA

D.O.T. FLAMMABILITY CLASS.: NOT REGULATED FLASH POINT: > 250 F PMCC

EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

LEL: Not Applicable

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.

Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:

Inhalation - Causes nose and throat irritation.

Inhalation - Causes lung irritation.

Skin and Eye Contact - Primary irritation.

Ingestion of large amounts could cause serious injury.

EFFECTS OF OVEREXPOSURE - CHRONIC:

None Known

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None expected when used in accordance with Safe Handling and Use Information (Section VIII).

Inhalation - Irritating to respiratory tract.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES :

Inhalation - Remove to fresh air. Get medical help for any breathing difficulty.

Eye Contact - Flush thoroughly with water. Call physician.

Skin Contact - Wash with soap and water.

Ingestion - Drink 1 or 2 glasses of water to dilute.

DO NOT induce vomiting. Call physician.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon dioxide and carbon monoxide.

INCOMPATABILITY (MATERIALS TO AVOID); None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with water. Absorb with sawdust or rags.

WASTE DISPOSAL METHOD:

Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas. VENTILATION:

Adequate to maintain working atmosphere below T.L.V. and L.E.L.

(See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Waterproof during repeated contact.

EYE PROTECTION: Splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.

HYGIENIC PRACTICES:

Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

American Labelmark Co., Inc., Labelmaster Division 5724 N. Pulaski Rd., Chicago, IL 60646 1-800-621-5808

The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation. Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster. Note: There are no SARA reportable materials in this product.

DISCLAIMER

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-LEAD-FYI.

2897 El Paso Energy

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2897

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: Fresh start prime TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

general maintenance

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Nead PRE-just like the other OK
\$65/dian, ClassI liquids
stadse



PB

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Company:														
Address:		ISIANA #T	-3180				_							
City;	HOUSTO		0100		State:	TX	_	Zip:			77	7002		
Contact:	JEFF FREM				-	Title:		MAINT.	MANA	SFR				
Phone Nun			20-4027			Fax Num	ber:							
24/hr Phor	• • • • • • • • • • • • • • • • • • • •		8-1760						_					
US EPA ID			7990041			_								
State ID No		CESQG				SIC Code:	:							
SECTION 2:			: 🗆 🛚	ame as A	<u>Nove</u>									
Company:														
Address:	10707 HC	NEA EGYP	TROAD											
Çity:	MONTGO	MERY			State:	TX		_Zip:			77	316		
Contact:	ZAC MCK	AUGHAN				Title:		PRESIDE	NT					
Phone Nun	nber:	936-48	3-3662			_ Fax Num	ber:	936-756	-1226					
CECTION W	<i></i>		fal . 141-											
SECTION 3:	General L	escription	of the Wa	<u>ste</u>										
Name of W	lasto:	EDECH	START PRI	ME										
Detailed De			_			GENERAL	ΜΔ	INTENANC	<u>,c</u>					
Detailed O	escription (n Flocess	oenerating	Waste.		GENERAL	IVIA	THE LANGE						
														
Physical St	ate: 🔽	Liquid			Sludge			Powder						
•		Solid			Filter Cak	e		Combina	ation					
Color:	NA ·					Odor:		NONE				·		
			.,									1.		
Specific Gra	svity (wate	r=1):	NA					Density:	NA		lbs/gal			
D 4-14				N			V	_	7					
Does this n	nateriai coi	itain any t	otai pneno	iic comp	ounds?	Ц	Yes	Ŀ	신 No					
Does this n	antorial cor	tain anv n	aea cubetit	utad aba	nalie com	nounds?		П	Yes	[]	No			
DACS (1112 II	IBLEITAI CUI	italii aiiy p	did Substit	uteu piie	mone com	pounus:		Ш.	163	اليكا	NO			
is the Wast	e subject t	the benz	ene waste	operatio	n NESHAP	7 (40 CFR P	art 6	1. Subpar	t FF)			≥s	[7]	No
	-			•		de from you		-	•	followi	_		_	
2812		13	2816	2819	282		2822			2824	-	833		283
2835		36	2841	2842	284		284 4			2861		865		286
2873		74	2876	2879	Z89		2892			2896		899		291
3317		53	4959	9511		-					_	.035		
Layers:	☑ s	ingle-phas	e 🗆	Multi	phase									•
		-		_										
Container 1	rype:	2 Drum	☐ Tot	е <u></u>	Truck [) Other (ex	plair	1)						
Frequency:	Maak	h A	nthly [Vosely	□ 0no 1	ima								
rrequency. Quantity:	FIVE	١٧١٠ ت. ٢٠٠	y L	1 Cully	Uller 1	11116								

Is this a USEPA "Hazardo If "Yes", then please f			?	☐ Yes	\square	No		
If "Yes", Is it: . Characteristic for Toxic I		☐ D004 ☐ D010	D002 (Cor D005 D011 lease list a	D00€] D003 (Rea ; 🔲 D007	•	e00d 🗌	
Is this an "F" or "K" Liste If "Yes", then please II			,	☐ Yes	<u> </u>	No		
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please II				a "U" or "P" wa] No	aste code ur	nder		
Texas State Waste Code		•	CESQ2191			-		
Proper US DOT Shipping Class: NA	-		PG:	NA	RQ:	NA		
Flash Point	pH		React	ive Sulfides	Reactive	Cyanides	Soli	
NA_	NA		NA	<u>mg/l</u>	NA	mg/l	NA	%
Oll & Grease NA mg/l	TOC			Zinc		pper	Nick	:
NA <u>mg/l</u>	NA	mg/l	NA	mg/l	NA	mg/l	NA	<u>mg/l</u>
SECTION 4: Physical and	Chemical Data			mgg			IVA .	
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SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %
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SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %
SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %
SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %
SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %
SECTION 4: Physical and	Chemical Data MPONENTS TAB sists of the follow	LE			CONCENT Ranges are	TRATOIN acceptable		UNITS or %

SECTION 5: Safety Relat	ed Data Ste requires the use of special	protective equipment, p	lease explain.	
NOME				
SECTION 6: Attached Su List all documents, notes approval package.	pporting Documents data and/or analysis attached MSDS	d to this form as part of t	he waste	
SECTION 7: Incompatible Please list ALL Incompati None Known				
	Knowledge Documentation hazardous waste characteris generator knowledge:	tics, listed below, WAS N	OT PERFORMED	
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:				0 0 0 0
I hereby certify that the a my knowledge and abilit properties exist and that	Certification Id herein is based on I bove and attached description I to determine that no delibera all known or suspected hazard esentative of all materials description	n is complete and accura ate or willful omissions o is have been disclosed. I	te to the best of f compostion certify that the	cal data.
Authorized Signature:	//		Date:	7/14/2008
Printed Name/Title:	ZAC/MCKANGHAN / PRESIDE	NT		
CES USE ONLY (DO NOT V Compliance Officer: Date: <u>1-27-08</u> Approval Number:	Parhugya DApproved 2897	☐ Rejected		

MATERIAL SAFETY DATA SHEET Rev. 05B For Coating, Resins, and Related Materials NPCA 1-64 Manufacturer's Name Emergency Telephone No. 800-424-9300 (CHEMTREC) BENJAMIN MOORE & CO. 51 CHESTNUT RIDGE RD

MONTVALE, NJ 07645

Date Prepared Last Rev Date Information Telephone No. 01-19-01 201-573-9600

For the most up-to-date MSDS information please visit our website www.benjaminmoore.com/msds/go.html ______

SECTION I - PRODUCT ID

** HMIS CODE **

PRODUCT*: 023, n023

CLASS: WATER THINNED PAINT

FLAMMABILITY: 0

NAME: BM FRESH START ALL PURPOSE 100% ACRYLIC PRIMER REACTIVITY: 0

PERSONAL PROT:

** SARA TITLE 312 **

ACUTE: N CHRONIC: N FIRE: N PRESSURE: N REACTIVITY: N For a complete description of HMIS and an explanation of the PERSONAL PROT: code, see Section XX.

*NOTE: In the PRODUCT code a little n can be any capital letter of the alphabet except P or O.

SECTION II HAZARDOUS INGREDIENTS									
	MAX %	CAS #		TLV	PEL	STEL	CEIL	MM Hg	
Titanium	Dioxid	6	7-7	10 mg/M3	15 mg/M3	N/E	N/E	N/A	
•	calcined		1-1	30 mg/M3	n/e	N/E	N/E	N/A	
	6.4	n Silicat 001332-5		2 Mg/M3			N/E		
Diatomac	eous Ear		3-2	10 mg/M3			N/E		

This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm.

SECTION III PHYSICAL DATA

#CV------BOILING RANGE: N/A WT/GALLON: 9.6 to 10.1 %VOL BY VOLUME: 70.1 to 70.6 EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS: NOT REGULATED FLASH POINT: > 250 F PMCC

LEL: Not Applicable

MSDS #: 023, n023 Page 2

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.

Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:

Inhalation - Causes nose and throat irritation.

Inhalation - Causes lung irritation.

Skin and Eye Contact - Primary irritation.

Ingestion of large amounts could cause serious injury.

EFFECTS OF OVEREXPOSURE - CHRONIC:

None Known

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None expected when used in accordance with Safe Handling and Use

Information (Section VIII).

Inhalation - Irritating to respiratory tract.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES :

Inhalation - Remove to fresh air. Get medical help for any breathing difficulty.

Eye Contact - Flush thoroughly with water. Call physician.

Skin Contact - Wash with soap and water.

Ingestion - Drink 1 or 2 glasses of water to dilute.

DO NOT induce vomiting. Call physician.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon dioxide and carbon monoxide.

INCOMPATABILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with water. Absorb with sawdust or rags.

WASTE DISPOSAL METHOD:

Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas.

VENTILATION:

Adequate to maintain working atmosphere below T.L.V. and L.E.L.

(See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Waterproof during repeated contact.

EYE PROTECTION: Splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.

MSDS #: 023, n023 Page 3

HYGIENIC PRACTICES:

Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally. _______

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

> American Labelmark Co., Inc., Labelmaster Division 5724 N. Pulaski Rd., Chicago, IL 60646 1-800-621-5808

The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation. Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster. Note: There are no SARA reportable materials in this product.

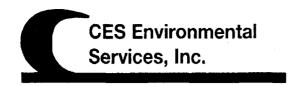
DISCLAIMER

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-LEAD-FYI.

2898 El Paso Energy





Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2898

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: Latex enamel undercoater

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

general maintenance

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

200

NeedPFI- just like Ne other. 865/dram. Chassi lig or sludge



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	tor In	format	ion													
Company:	EL PAS	O ENE	RGY													,	
Address:	1001 L	OUI5I	ANA #T	3180													
City:	HOUSTON State:							TX			Zip:				77002		
Contact:	JEFF FF	ENCH	ł					Titl	e:		MAINT.	MANA	GER				
Phone Num	ber:	_	713-42	0-4027				Fax	(Numb	er:							
24/hr Phon	e Numb	er:	800-46	8-1760													
US EPA ID No:			TXD98	7990041													
State ID No	:		CESQG					\$IC	Code:								
SECTION 2:	Billing	Inforr	nation -		<u>Sam</u>	e as <i>F</i>	Above										
Company:	CKG SE	RVICE	ES														
Address:	10707	HONE	A EGYP	T ROAD												,	
City:	MONT	GOMI	ERY				State:	TX			Zip:				77316		
Contact:	ZAC M	CKAU	GHAN				-	Titl	e:		PRESIDI	ENT					
Phone Num	ber:		936-48	3-3662				Fax	Numb	er:	936-75	5-1226					
SECTION 3:	Genera	Des	ription	of the W	/aste												
Name of W	meta.		IATEY	ENAMEL	LINDE	BCO.	ATER										
Detailed De		n of P					71611	GEN	NERAL I	MAI	NTENAN	CE					
			<u>.</u>														
Physical Sta	ite:		Liquid Solid				Sludge Filter C	ake	1		Powder						
		_							4	_							
Color:	NA					_		Ode	or:		NONE						
Specific Gra	vity (wa	ter=1	l):	<u> </u>	NA						Density	: NA	<u> </u>	lbs/g	(al		
Does this m	aterial d	onta	in any t	otal phei	nolic c	omp	ounds?			Yes		☑ No					
Does this m	aterial (ontai	in any p	ara subs	titute	d phe	nolic ca	mpoun	ds?			Ye ₅	V	No			
is the Waste	e subjec	t to ti	ne benz	ene wast	te ope	ratio	n NESH/	AP? (40	CFR Pa	rt 6	1, Subpa	rt FF)			Yes	\Box	No
Answer "Yes	s" if you	r was	te conta	ins benz	ene Ai	ND if	the SIC	code fro	m you	r fac	ility is or	ie of th	ie fallow	/ing:			
2812		2813		2816	;	2819	28	321	28	822	28	323	2824		2833		283
2835		2836		2841	;	2842	28	343	2	844	28	351	2861		2865		286
2873		2874		2876	:	2879	28	391	2	892	28	193	2896		2899		291
3312		4953		4959	9	9511											
Layers:	V	Sing	le-phas	2		/lulti-	-phase										
Container T	ype:	V	Drum	□ т	ote		Truck	[] Oth	er (exp	olain)						
Frequency:	□ we	ekly	☑ Mo	nthly (] Yea	arlv	☐ One	e-Time									
Quantity:		•		5													

Is this a USEPA "Haza If "Yes", then pleas	•		7	☐ Yes	☑ N	0		
If "Yes", Is it: Characteristic for Tox Characteristic for Tox		□ D004 □ D010	D002 (Corr D005 D011 lease list al	☐ D006	D003 (Reacti	ve) D008	€000 □	
is this an "F" or "K" Li if "Yes", then please			?	☐ Yes	∠ N	o 		
Is this a commercial p 40 CFR 261.33(e) or (f If "Yes", then please)?	☐ Ye		n "U" or "P" wa No	ste code unde	er		
Texas State Waste Co			CESQ2191		<u> </u>			
Proper US DOT Shippi Class: NA	ing Name: UN/NA:	NON REGUL	PG:	NA NA	RQ: N	Α		
Flash Point		рН	Reacti	ve Sulfides	Reactive C	/anides	5olid	5
NA NA		NA	NA	<u>mg/l</u>	NA	mg/l	NA	%
Oil & Grease		OC		Zinc	Сорр		Nick	
NA <u>mg/l</u>	NA NA	mg/!	NA_	mg/l	NA	mg/l	NA	<u>mg/l</u>
SECTION 4: Physical a	nd Chemical Dat				CONCENTRA	ATOIN		UNITS
	OMPONENTS T	ABLE lowing materia	ls		Ranges are ac			UNITS or %
	OMPONENTS T	ABLE lowing materia	ls					
	OMPONENTS T	ABLE lowing materia	is		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	is		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	is		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	ls		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	ls		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	Is		Ranges are ac			or%
	OMPONENTS T	ABLE lowing materia	ls		Ranges are ac			or%

SECTION 5: Safety Relation	<u>ted Data</u>	
If the handling of this wa	aste requires the use of special protective equipment, please explain.	
NONE		
SECTION 5: Attached 5	upporting Documents	
List all documents, note:	s, data and/or analysis attached to this form as part of the waste	
approval package.	MSDS	
	All	
SECTION 7: Incompatib		
Please list ALL incompati	abilities (if any);	
None Known		
<u> </u>		
SECTION 8. Generator's	s Knowledge Documentation	
	he hazardous waste characteristics, listed below, WAS NOT PERFORMED	
· ·	ng generator knowledge:	
posta apon the jonovin	P Principals (Minerales)	
TCLP Metals:		0
TCLP Volatiles:		0
TCLP Semi-Volatiles:		0
Reactivity:		0
Corrosivity:		0
Ignitability:		0
_ ,		,
SECTION 9: Generator's	<u>s Certification</u>	
The information contain	ned herein is based on 🔃 generator knowledge and/or 🔲 analytic	cal data.
I hereby certify that the	above and attached description is complete and accurate to the best of	
my knowledge and abilit	ty to determine that no deliberate or willful omissions of compostion	
properties exist and that	t all known or suspected hazards have been disclosed. I certify that the	
materials tested are rep	resentative of all materials described by this document.	
		7 11 20
Authorized Signature:	Date:	7-14-08
Printed Name/Title:	ZAC, MICKAUGHAN / PRESIDENT	
		٠
CEE LISE ONLY (DO NOT)	MOUTE IN THE SPACE	
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)	
Compliance Officer:	Les Aland A	
Date: 7 -22-08	Approved Rejected	
Approval Number:	Z898	
Approvativatiber:	2048	
1		

MATERIAL SAFETY DATA SHEET For Coating, Resins, and Related Materials NPCA 1-04 Manufacturer's Name Emergency Telephone No. BENJAMIN MOORE & CO. 800-424-9300 (CHEMTR 800-424-9300 (CHEMTREC) 51 CHESTNUT RIDGE RD MONTVALE, NJ 07645 Date Prepared Last Rev Date Information Telephone No. 01-19-01 12-15-97 201-573-9600For the most up-to-date MSDS information please visit our website www.benjaminmoore.com/msds/go.html SECTION I - PRODUCT ID ** HMIS CODE ** PRODUCT*: 253, n253 HEALTH: 1 CLASS: WATER THINNED PAINT FLAMMABILITY: 0 NAME: MOORCRAFT SUPER SPEC LTX ENAMEL UNDERCOATER & F/S REACTIVITY: 0 COLOR: ALL PERSONAL PROT: ** SARA TITLE 312 ** ACUTE: N CHRONIC: N FIRE: N PRESSURE: N REACTIVITY: N For a complete description of HMIS and an explanation of the PERSONAL PROT: code, see Section XX. *NOTE: In the PRODUCT code a little n can be any capital letter of the alphabet except P or Q. SECTION II HAZARDOUS INGREDIENTS ______ INGREDIENT HAZ SARA MAX % CAS # TLV PEL STEL CEIL MM Hg HAZ SARA MAX % CAS # Titanium Dioxide Y N 9.0 013463-67-7 10 mg/M3 10 mg/M3 N/E N/E N/A Hydrous Alum Silicates N/E Y N 6.0 001332-58-7 10 mg/M3 10 mg/M3 N/E Calcium Carbonate Y N 16.7 000471-34-1 10 mg/M3 5 mg/M3 N/E N/E N/A Ethylene Glycol Phenyl Ether Y Y 1.0 000122-99-6 N/E N/E N/E N/E <.01 @ 2 NOTE: This product contains no reported or suspected carcinogens Note: This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding. This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm. SECTION III PHYSICAL DATA BOILING RANGE: N/A WT/GALLON: 10.0 to 10.9 %VOL BY VOLUME: 68.1 to 69.6 EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS.: NOT REGULATED FLASH POINT: > 250 F PMCC

LEL: Not Applicable

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.

Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:

Inhalation - Irritation of the respiratory tract.

Skin and Eye Contact - Primary irritation.

Ingestion of large amounts could cause serious injury.

EFFECTS OF OVEREXPOSURE - CHRONIC:

None Known

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None expected when used in accordance with Safe Handling and Use

Information (Section VIII).

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES :

Inhalation - Remove to fresh air. Get medical help for any breathing

difficulty.

Eye Contact - Flush thoroughly with water. Call physician.

Skin Contact - Wash with soap and water.

Ingestion - Drink 1 or 2 glasses of water to dilute.

DO NOT induce vomiting. Call physician.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon dioxide and carbon monoxide.

INCOMPATABILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with water. Absorb with sawdust or rags.

WASTE DISPOSAL METHOD:

Conventional procedures in compliance with local, state and federal

regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas.

VENTILATION:

Adequate to maintain working atmosphere below T.L.V. and L.E.L.

(See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Waterproof during repeated contact.

EYE PROTECTION: Splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.

HYGIENIC PRACTICES:

Remove and wash clothing before reuse. Wash hands before eating, smoking

MSDS #: 253, n253

or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

American Labelmark Co., Inc., Labelmaster Division 5724 N. Pulaski Rd., Chicago, IL 60646

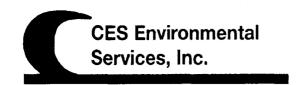
The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation. Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster. This product contains at least one toxic chemical listed in Section II that is subject to the reporting requirements of section 313 of the Emergency Flanning and Community Right-To-Rnow Act of 1986 and 40 CFR 372.

DISCLAIMER

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-LEAD-FYI.



Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2899

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: Moorcraft enamel TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

general maintenance

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



OK



DB

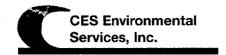
4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number; TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Company: EL PASO ENERGY Address: 1001 LOUISIANA #T-3180 HOUSTON State: 77002 City: ΤX Zip: JEFF FRENCH Contact: Title: MAINT. MANAGER 713-420-4027 Phone Number: Fax Number: 24/hr Phone Number: \$00-468-1760 US EPA ID No: TXD987990041 State ID No: **CESQG** SIC Code: SECTION 2: Billing Information -Same as Above Company: CKG SERVICES Address: 10707 HONEA EGYPT ROAD MONTGOMERY City: State: TX ZIp: 77316 Contact: ZAC MCKAUGHAN Title: **PRESIDENT** Phone Number: 936-483-3662 Fax Number: 936-756-1226 SECTION 3: General Description of the Waste MOORCRAFT ENAMEL Name of Waste: GENERAL MAINTENANCE Detailed Description of Process Generating Waste: Physical State: $\overline{2}$ Liquid Sludge **Powder** Solid Filter Cake Combination Color: Odor: NA NONE Specific Gravity (water=1): NA Density: NA lbs/gat Does this material contain any total phenolic compounds? Yes ☑ No Does this material contain any para substituted phenolic compounds? Yes ✓ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Ye₅ $\overline{\mathbf{Z}}$ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 Z822 2823 2824 2833 2834 2835 2841 2851 2836 2842 2843 2844 2861 2865 2869 2873 2874 2876 2879 2891 2892 Z893 2896 2899 2911 3312 4953 4959 9511 \square Multi-phase Layers: Single-phase Container Type: ☑ Drum Tote ☐ Truck ☐ Other (explain) Frequency:
Weekly Monthly Yearly One-Time Quantity: FIVE

Is this a USEPA "Hazardo If "Yes", then please fl	-		1?	☐ Yes	: 2	No		
If "Yes", Is it: Characteristic for Toxic (Characteristic for Toxic (☐ D004 ☐ D010	□ D005 □ D01:	5 D006] D003 (Read 5 D007	ctive)	□ D009	
Is this an "F" or "K" Liste If "Yes", then please i			7	☐ Yes	· V	No		
Is this a commercial prod 40 CFR 261.33(e) or (f)? If "Yes", then please ill		□ Ye	_	a "U" or "P" wa I No	aste code un	der —		
Texas State Waste Code Proper US DOT Shipping		NON DECLU	CESQ2191	N DOT/NON HA				
Class: NA	UN/NA:	NA NA	PG:	NA NA	RQ:	NA		
Flash Point	р	Н	React	Ive Sulfides	Reactive	Cyanides	Solid	٩.
NA			NA	mg/l	NA	mg/l	NA I	%
Oil & Grease	TO)C		Zinç	Cop	per	Nicke	el
NA mg/l	NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/i
SECTION 4: Physical and	Chemical Data				CONCENT	RATOIN		UNITS
The waste cons		wing materia	als	Ranges are acceptable				or %
	ENAMEL				100			%
						`		

SECTION 5: Safety Rela	ted Data				
If the handling of this wa	iste requires the use	of special prote	ctive equipment, p	dease explain.	
NONE :				_	
XXX					
770					_
SECTION 6: Attached St	pporting Document	<u>ts</u>			•
List all documents, note:	, data and/or analys	is attached to th	nis form as part of t	the waste	
approval package.	MSDS				
					·
,					
SECTION 7: Incompatib	<u>ilities</u>				
Please list ALL incompat	bilities (if any):				
None Known					
		-			
SECTION 8: Generator's	Knowledge Docum	entation			
Laboratory analysis of th			sted below, WAS I	NOT PERFORMED	
based upon the followin					
TCLP Metals:					0
TCLP Volatiles:					0
TCLP Seml-Volatiles:	<u> </u>				0
Reactivity:			·		0
Corrosivity:		<u> </u>			0
Ignitability:					0
				<u> </u>	
SECTION 9: Generator's	Certification				
The information contain	ed herein is based or	n 🗵 gene	rator knowledge a	nd/or 🔲 analyti	cal data.
I hereby certify that the	above and attached	description is co	implete and accura	ite to the best of	
my knowledge and abilit	y to determine that	no deliberate or	willful omissions o	of compostion	
properties exist and that	all known or suspec	ted hazards hav	e been disclosed.1	certify that the	
materials tested are rep	resentative of all ma	terials described	by this document		
1		L			
Authorized Signature:		<u> </u>		Date:	7/14/2008
	1	·			
Printed Name/Title:	ZAC MCKAUGHAN	/ PRESIDENT			
CES USE ONLY (DO NOT	WRITE IN THIS SPACE	E)			
,	0 , a	7			
Compliance Officer:	Kelling ?	400			
Date: 7-72-08		roved	Rejected		
Approval Number:	2899		·		



1.	Base Pricing (including freight):
	\$65/DM
2.	Contamination Limits (maximum limit before surcharges apply):
	None
3.	Surcharge Pricing:
J. [NA NA
4.	Special Testing Requirements: Make sure product fits MSDS
	Wake sure product his MSDS
Į	
5.	Treatment and Handling Protocol:
	Class 1 Liquids or Sludge box depending on consistancy
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable):
8.	Management for Product Recovered/Recycled (if applicable); Na
8.	
8.	
8.	
8.	

MATERIAL SAFETY DATA SHEET Rev. 07B For Coating, Resins, and Related Materials NPCA 1-84
Manufacturer's Name Emergency Telephone No.
BENJAMIN MOORE & CO. 800-424-9300 (CHEMTREC)
51 CHESTNUT RIDGE RD

51 CHESTNUT RIDGE RD MONTVALE, NJ 07645

Date Prepared Last Rev Date Information Telephone No. 11-30-01 01-19-01 201-573-9600

For the most up-to-date MSDS information please visit our website www.benjaminmcore.com/msds/go.html

production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production of the production o

SECTION I - PRODUCT ID

** HMIS CODE **

PRODUCT*: 274, n274

74, n274 HEALTH: 1*
ATER THINNED PAINT FLAMMABILITY: 0

CLASS: WATER THINNED PAINT

REACTIVITY: 0

NAME: MOORCRAFT SUPER SPEC LATEX EGGSHELL ENAMEL

KEWCIIVIII:

COLOR: ALL

PERSONAL PROT:

** SARA TITLE 312 **

ACUTE: N CHRONIC: Y FIRE: N PRESSURE: N REACTIVITY: N For a complete description of HMIS and an explanation of the PERSONAL PROT:

code, see Section XX.

*NOTE: In the PRODUCT code a little n can be any capital letter of the

alphabet except P or Q.

						AZARDOUS II		s 	
ING	REDIE				•	PEL		ÇEIL	MM Hg
		Dioxide		·	70 ma/M	3 10 mg/M3	NI / TO	ν ₄ / Ε	NI / N
			VI3403-			TO MG/M3		N/E	N/A
		alcine			20 /25	h 17/m	N / D	** /T	X
Y	N 	/.l 			30 mg/m.	3 N/E	N/E 	N/E 	N/A
Y	N				5 mg/M3	5 mg/M3	N/E	N/E	N/E
		arbonat							
		19.1		34-1	10 mg/M	3 5 mg/M3	n/E	N/E	N/A
	-	rystal							
Y	N	2.8	014808-	60-7	.1 mg/M:	3 .1 mg/M3	N/E	N/E	N/A

This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.

Note: This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding. This product may contain small amounts of materials known to the State of

California to cause cancer and reproductive harm.

SECTION III PHYSICAL DATA

BOILING RANGE: N/A WT/GALLON: 9.7 to 10.9 %VOL BY VOLUME: 62.7 to 69.5 EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR ______ _______

SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS:: NOT REGULATED FLASH POINT: > 250 F PMCC

LEL: Not Applicable

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.

Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:

Inhalation - Irritation of the respiratory tract.

Skin and Eye Contact - Primary irritation.

Ingestion of large amounts could cause serious injury.

EFFECTS OF OVEREXPOSURE - CHRONIC:

Contains: Crystalline Silica which has been determined to be carcinogenic to humans (1) by IARC when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to dust from sanding the dried paint or spray mist.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None expected when used in accordance with Safe Handling and Use . Information (Section VIII) .

Inhalation statement: Sanding dust inhalation may cause lung damage.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES :

Inhalation - Remove to fresh air. Get medical help for any breathing difficulty.

Eye Contact - Flush thoroughly with water. Call physician.

5kin Contact - Wash with soap and water.

Ingestion - Drink 1 or 2 glasses of water to dilute.

DO NOT induce vomiting. Call physician.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon dioxide and carbon monoxide.

INCOMPATABILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with water. Absorb with sawdust or rags.

WASTE DISPOSAL METHOD:

Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Page 3

Use NIOSH approved respirator specified for protection against paint spray mist and sanding dust in restricted or confined areas. VENTILATION:

Adequate to maintain working atmosphere below T.L.V. and L.E.L. (See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Waterproof during repeated contact.

EYE PROTECTION: Splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.

HYGIENIC PRACTICES:

Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

American Labelmark Co., Inc., Labelmaster Division 5724 N. Pulaski Rd., Chicago, IL 60646 1-800-621-5808

The ratings assigned by Benjamin Moore & Co. are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

PERSONAL PROTECTION: This code is left blank on Benjamin Moore & Co. MSDS's as it depends on application technique and the workplace ventilation. Please read Sections II through IX of this MSDS before deciding on appropriate protective equipment and beginning work. There are codes available for this section which can be obtained from Labelmaster. Note: There are no SARA reportable materials in this product.

Note: There are no SARA reportable materials in this product.

DISCLAIMER

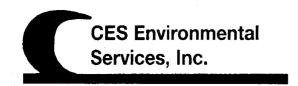
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

NOTICE: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use

MSDS #: 274, n274 Page 4

of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEFA/Lead Information Hotline at 1-800-LEAD-FYI.

2900 Bioselect Fuels, Inc



Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2900

Expiration Date 7/22/2010

Generator: Bioselect Fuels, Inc

Address: 4800 Old Port Industrial Rd

Galveston, TX

Waste Information

Name of Waste: Vegetable oil/sump water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Vegetable oil used in making biodiesel

Color: grey/yellow

Odor: mild

pH: 5-9

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Material cannot be a emulsion.
Ne vegetable al connot be with soluble- if tis He load is non conforming.

CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

http://www.cesenvironmental.com

Fax: (713) 676-1676

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461

ISWR No: 30900



Сотрапу:	erator Information BIOSELECT FUELS	INC		
Address:	4800 OLD PORT INI			
City, State, Zip:	GALVESTON, TEXA			
Contact:	STEVE SAMS		Title:	AUTH. BROKER FOR GENERATOR
Phone No:	713-530-4550		Fax No:	281-424-7748
24/hr Phone:	281-838-3400			
U.S. EPA I.D. No:	TXR000079137			
State I.D.	SQG		SIC Code:	N/A
SECTION 2: Billin	ng Information – 🔲 San	ne as Above		
Сотрапу:	PHOENIX POLLUTION		VIRONMENTA	L SERVICES, INC.
ddress:	4808 FAIRMONT PAR	KWAY BOX #274		
City, State, Zip:	PASADENA, TEXAS 7	7505		
Contact:	STEVE SAMS	Title:	AUTH. BRO	KER FOR GENERATOR
hone No:	281-838-3400	Fax No:	281-424-7748	8
hysical State: loior: <u>GRAY/Y</u> I		Sludge	Powder Combinatio	n
ipecific Gravity (w .eyers:	nater=1): <u>0.8</u> - 0.9	Density (b) (lbs/gal		
Container Type: Container Size:	Drum [Tote \(\sum_{}\)	₫ Truck <u>70 BBL</u>	Other (explain)
Trequency:	Weekly ontainers): 3,000 GALL Code No: 200	Monthly Cons or	Quarterly	☐ Yearly
vumber of Units (c Fexas State Waste (700		
•		NON-RERA/NOI	1-007 Regi	related Malerial (Hydrocarbon
Texas State Waste		NON-RERA / NOV	PG: N/	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
VETGABLE OIL	20-50%	10/11
WATER	80-50%	1
		+
		

SECTION 5: Safety Re	elated Data			
If the handling of this w	vaste requires the use of special	protective equipment	, please explain.	
SECTION 6: Attached	Supporting Documents			
List 2ll documents, note N/A	es, data, and/or analysis attache	ed to this form as part	of the waste approval pas	ckage.
SECTION 7: Incompar	<u>tibilities</u>			
Please list all incompati N/A	bilities (if any):	v.		%.
SECTION 8: Generato	or's Knowledge Documentation			
Laboratory analysis of generator knowledge:	the hazardous waste character	istics, listed below, Wa	AS NOT PERFORMED b	ased upon the following
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	X X X X X X X			
SECTION 9: Generato	r's Certification			
attached description is comissions of composition	ed herein is based on 🗵 generate complete and accurate to the been properties exist and that all knoof all materials described by this	est of my knowledge a nown or suspected haza	nd ability to determine th	at no deliberate or willful
Authorized Signature:			Date: <u>07/14/08</u>	
Printed Name/Title: _S	TEVE SAMS / AUTH. BROKE	R FOR GENERATOR		
CES USE ONLY (DO NOT V	VRITE IN THIS SPACE)			
Compliance Officer:	A Plant	A dditional	Information:	
	July of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	Additional	miorilation,	
Date: 7-22-08	(Approved) Rej	ected		
Approval Number: 2	2900			

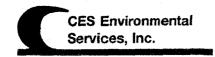
SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is t	this material a wastewater or wastewater sludge? YES NO
If '	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.							
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.								
	Chron Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L							
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, o above any of the values listed above, the waste should be classified in the organics subcategory.							
		Metals Subcategory							
	X	Oils Subcategory							

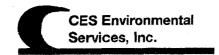
SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1.	Base Pricing (including freight):
	\$0.10/gal +trans+fsc
2.	Contamination Limits (maximum limit before surcharges apply):
	Ste per rate sheet
3.	Surcharge Pricing:
	sta per vate sheet
4.	Special Testing Requirements:
5.	Treatment and Handling Protocol:
з. [Treatment and transming Frotocon.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):

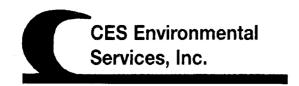
Received material oil cannot be an emploim. The oil cannot be water soluble. If the vegetable oil is water soluble the received load is much forming and can be rejected.

8. Management for Product Recovered/Recycled (if applicable);

Vegetable oil is black 0:1- with to work with

2901 Port of Howston Acthority - Turming Basin

pH: na



Waste Pre-Acceptance/Approval Letter

Date 7/23/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2901

Expiration Date 7/23/2010

Generator: Port of Houston Authority-Turning basin terminal

Address: 7300 Clinton Drive

Houston, TX 77029

Waste Information

Name of Waste: Diesel water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Water mixed in with diesel in a fuel tank

Color: pink Odor: mild

Physical State:

Incompatibilities: oxidizers

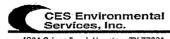
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



GB/AL

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Gener	ator I	nformatio	ori												
Company:	Port of Houston Authority - Turning Basin Terminal															
Address:	7.300 (Clinto	n Drive							•						
City:	Houston State:								_Zip:					77029		
Contact:	Steve	Senul	is				Title:									
Phone Nun	ber:		(713) 67	0-2889			Fax Nu	mber:								
24/hr Phon	e Numb	er:														
US EPA ID N	lo:															
State ID No	;						SIC Cod	e:								
SECTION 2:	Billing	Infor	mation -	□s	ame as	Above					•					
Company:			ston Auth													
Address:	PO Box	256	2													
City:	Housto	on				_State:	Texas		_Zip:	772	52-2562					
Contact:	Roxana	Her	rera			•	Title:									
Phone Num	ber:		713.670	2814			Fax Nur	nber:	713.670	.2427						
SECTION 3:	Genera	i Des	cription a	f the Was	ste											
			********		-											
Name of Wa	iste:		Diesel wa	ater mixti	ıre											
Detailed De	scriptio	n of P	rocess Ge	nerating	Waste:											
Water mixed	d in with	dies	el in a fue	l tank												
	4 111 90101	. 9100						•						· - ·		
Physical Sta	te:	Image: Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Liquid			Sludge			Powder							
		Li	Solid			Filter Cak	e		Combina	tion						
Color:	pink					•	Odor:		mīld							
	·					-										
Specific Grav	rity (wa	ter=1):	<u>.74-</u>	.8		_		Density:	6.1-	6.6 lbs/	'gal				
Does this ma	aterial.c	ontai	n any tota	al phenoi	ic comp	ounds?		Yes	Į.	ON [
Does this ma	stérial c	ontai	n any har	a substitu	ited nh	enolic com	Sphring			Yes	✓ No					
soca tilia me	rejiai e	Viirai	it ally par	a subjete	accu pin	cuone dom	pourios.		ш		E 110					
s the Waste	subject	t to th	ne benzen	e waste d	peratio	n NESHAP	? (40 CFR	Part 6	1, Subpar	t FF)		Yes	√.	No		
Answer "Yes	" if your	wast	e contain	s benzene	AND if	the SIC co	de from yo	our fac	ility is one	e of the	e following:					
2812	:	2813	2	2816	2819	282	1	2822	282	.3	2824	2833		2834		
2835	:	2836	2	2841	2842	2843	3	2844	285	1	2861	2865		2869		
2873	:	2874	2	2876	2879	289:	1.	2892	289	3	2896	2899		2911		
3312	4	4953	2	1959	9511											
ayers:		Singl	e-phase	₹	Multi	-phase										
ontainer Ty	pe:		Drum	Tota	· 🖸	Truck [Other (e	xplain)							
requency:	☐ We	ekly	☐ Mont	hly 🔽	/ Yearly	One-T	ime									
Quantity:																

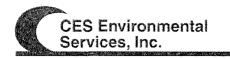
Is this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes: Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? Yes No If "Yes", then please list ALL applicable codes: Texas State Waste Code Number: Texas State Waste Code Number: Proper US DOT Shipping Name: Class: 3 UN/NA: NA1993 PG: II RQ: na Flash Point PH Reactive Sulfides Reactive Cyanides Solids 140-200 na 0 mg/l 0 mg/l 5 % Oil & Grease TOC Zinc Copper Nickel na mg/l na mg/l na mg/l na mg/l na mg/l na mg/l na mg/l SECTION 4: Physical and Chemical Data COMPONENTS TABLE The waste consists of the following materials Ranges are acceptable or % Water Sp/95 % Water Sp/95 % Water Sp/95 %	If "Yes", then If "Yes", Is i Characteristic	i please con t: for Toxic f] D001 (Ignital	date the Unc ple) D004 D010	D002 (Cor D002 (Cor D001 D01	5 🔲 D006	nts Form at	active)	<u></u> □ D009	,
40 CFR 261.33(e) or (f)?					e?	Yes	<u> </u>] No		
Proper US DOT Shipping Name: Class: 3 UN/NA: NA1993 PG II RQ: na	40 CFR 261.33	(e) or (f)?		□ Y			ste code u	nder		
Class: 3 UN/NA: NA1993 PG: II RQ: na Flash Point pH Reactive Sulfides Reactive Cyanides Solids 140-200 na 0 mg/l 0 mg/l 5 % Oil & Grease TOC Zinc Copper Nickel Nickel na mg/l na	Texas State W	aste Code	Number:			w.u		_		
140-200 na							RQ:	na		
140-200 na	Flach Pr	nint	nl-	1	Reacti	va Sulfidas	Reactive	Cvanides	Sol	ide
Oil & Grease TOC Zinc Copper Nickel na mg/l na mg/l na mg/l na mg/l na mg/l SECTION 4: Physical and Chemical Data COMPONENTS TABLE CONCENTRATOIN UNITS The waste consists of the following materials Ranges are acceptable or % Diesel Sp-95 % Water Sp-95 %										
na mg/l na mg/l na mg/l na mg/l na mg/l na mg/l na mg/l SECTION 4: Physical and Chemical Data COMPONENTS TABLE CONCENTRATOIN The waste consists of the following materials Diesel Water Sp-95 %							- 10,			
SECTION 4: Physical and Chemical Data COMPONENTS TABLE CONCENTRATOIN UNITS The waste consists of the following materials Diesel Water Sp-95 %										
Diesel 50-95 % Water 50-95 %			Chemical Data							
Water 59-95 %										
	i ne w		ts of the follo		ls	F	Ranges are	acceptable		or %
	i,ne w		ts of the follow Diesel		ls	F	Ranges are 50-	acceptable 95		or %

	: Safety Kelat						
If the hand	iling of this wa	aste requires the	use of special prote	ctive equipment, plea	ise explain.		
Standard							
							<u></u>
		ipporting Docum					
	•	s, data and/or ana	ilysis attached to thi	s form as part of the	waste		
approval p	ackage.	none					
							_
				-			
	: Incompatibi						
Please list	ALL incompatil	bilities (if any):					
	exidist	7S					
	U/ 14 JC		···				
ÉFETION O		Karandadaa Baan					
		Knowledge Docu		and Balance MARGE MOT	DEDECORAGE		
				ed below, WAS NOT	PERFURINED		
pased upor	the following	generator know	leage:				•
						•	
TCLP Metal		×					
TCLP Volati		<u>×</u>			··-		
TCLP Semi-		×				·	
Reactivity:		<u>x</u>					
Corrosivity:		<u>x</u>					
ignitability:		X					
		2 2	_				_
1441.5	Waste Receipt	Classification Under	er 40 CFR 437 (Prtaini	ng to Pre-Treatment Re	equirements fo	or Centralized Wa	aste Treatment
<u>Facilities)</u>	ta alata dida dida	وينت بالمعمرين والمرازي والم	Combile vitamore		□ vec	☑ NO	
	and the second second	omplete this sectio	wastewatër sludge?		∐ YES	(A) (40)	
•	11 103 7,00	ompiete tino sectio	114				
	PLEASE CHECK	K THE APPROPRIAT	E BOX. IF NO APPRO	PRIATE CATEGORY, GO	TO THE NEXT	PAGE.	
Metals Subc	ategory: Subp						
<u> </u>		plating baths and/o g rinse water and s					
-	Chromate was	7	iuuges				
É		ontrol blow down	water and sludges				
Ė	Spent anodizir					•	
	Incineration w						
	Waste liquid n						
<u></u>		ining wastes great	7				
Ļ		nd bases with or w					
Ļ.			eparation solutions fro	om electroplating or ph	osphating ope	rations	
늗	Vibratory debt	urring wastewater	to clean metal parts o	r oquinment			_
L	Alkaline and a	cia solutions usea	to clean metal parts o	i edmbinent			
Diis Subcate	gory: Subpart l	В				•	
	Used oils						
	Oil-water emu	Isions or mixtures					
	Lubricants						
	Coolants						
			n-up from petroleum	sources			
H	Used petroleui Oil spill clean-u						•
H	On spill clean-l Bilge water	uh				,	
LJ		aters from petroleu	ım sources				

Interceptor wastes.	
Off-specification fuels	
Underground storage remediation waste	
☐ Tank clean-out from petroleum or oily sources ☐ Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations	
Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
☐ Landfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bearing wastes	
☐ Off-specification organic product ☐ Still bottoms	
Byproduct waste glycol	
Wastewater from paint washes	
Wastewater from adhesives and/or epoxies formulation	
Wastewater from organic chemical product operations	
☐ Tank cleari-out from organic, non-petroleum sources	
741	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
is the waste contains as that greate at of its execusion, so they be the waste should be dissafred in the one substitute of	
(2)	
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in	
excess of the values listed below, the waste should be classified in the metals subcategory.	
Cadmium: 0.2 mg/L	
Chromium: 8:9 mg/L	
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
3)	
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,	
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
Metals Subcategory	
Oils Subcategory	
Organics Subcategory	
POTION TO A Military of transport	
ECTION 10 Additional Instructions	
f you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,	
opper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This	
vill be prior to acceptance. The generator will be responsible for the cost of the analysis.	
ECTION 11: Generator's Certification	
he information contained herein is based on 🔃 generator knowledge and/or 🗌 analytical data.	
hereby certify that the above and attached description is complete and accurate to the best of	
ny knowledge and ability to determine that no deliberate or willful omissions of compostion	
properties exist and that all known or suspected hazards have been disclosed. I certify that the	
naterials tested are represen <u>tative o</u> f all materials described by this document.	
uthorized Signature: 7 - 23 - 08	
	.1
rinted Name/Title: Roxana Herrero Program Coord in inter-Wtr 1 Ws	t
ES USE ONLY (DO NOT WRITE IN THIS SPACE)	
ompliance Officer: behind thing d	
rate: 7-23-08 Approved Rejected	
pproval Number: 290	
pprovide realises.	



1. Base Pricing (including freight):
PAJ .30 JAI Net Diesel;
2. Contamination Limit (maximum limit before surchages apply):
2 Courbonne Driving
Similarges per rate Sheet for Solids, TOC
4. Special Testing Requirements:
Check water passe for pH, Exc, phenol, solids
5. Treatment and Handling Protocol:
Water to maste water treatment; top organic phase to black oil
blackoil
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	

2902 Weinganten at citedel



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/24/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2902

Expiration Date 7/24/2010

Generator: Weingarten at Citadel **Address:** 2600 Citadel Plaza Drive

Houston, TX 77008

Waste Information

Name of Waste: Drummed soil TCEQ Waste Code #: CESQ3191

Container Type:

Detailed Description of Process Generating Waste:

sampling wells

Color: dark

Odor: none pH: na

Physical State:

Incompatibilities: none

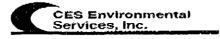
Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

DB chain of withody

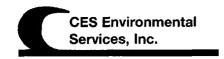
	Generator I		VESTORS											
Company:		EN REALTY IN											-	
Address:		EL PLAZA DR	<u>ve</u>			TV						77000	•	
City:	HOUSTON	NAME OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER O			ate:	TX		Zip: -	-			77008	•	
Contact:	CHUCK GUP					Title:	L	717.55.6	.0			_	-	
Phone Num		713-866-68				Fax Numi	oer:	713-66-6	000				•	
24/hr Phon		281-541-48	29	-										
US EPA ID N		TXCESQG				sis s - l -							•	
State ID No	i	CESQG				SIC Code:	i						-	
CECTION 3	n:ll:		<u>س</u>											
	Billing Infor			ie as Abo	<u>ve</u>									
	CKG SERVIC		A.D.	_								_		
Address:		EA EGYPT RO	AU					7:				77746	•	
City:	MONTGOM					TX		_Zip: 				77316		
Contact:	ZAC MCKAL					Title:	L	PRESIDE					-	
Phone Num	iber:	936-483-36	<u>62</u>			Fax Numb	per:	936-756	1226					
EFETION 3	e 15	* ** **												
SECTION 3:	General Des	cription of t	ie Waste											
Name of W		DRUMMED				5 A B 4 B L L B L	= \ \ (r	F11.6						
Detailed De	scription of i	Process Gene	rating W	aste:	,	SAMPLING	G W	FTT2						
			_											
													•	
nt alaite							_							
Physical Sta		Liquid		_	idge			Powder	••					
	J	Solid		☑ Filt	ter Cake		Ш	Combina	ition					
C-1	DADK					04		NONE						
Color:	DARK				*	Odor:		NONE						
Cunnific Cun	velda e francisco more	4).	NA					Danalan	A I A		lho/e	al.		
Specific Gra	vity (water=	1):	IVA					Density:	NA		lbs/g	. . 81		
D			- h 17		-lD	\Box	Yes		7 Na					
Does this m	aterial conta	in any total (onenous c	compoun	1651	ب	168	يا	No					
m-sa shis wa		·	L		·•				V	[73]	NI-			
Does this m	ateriai conta	in any para s	שואווענעני	и рпело	ne comp	ounus:		Ш	Yes	V	No			
la aba Misas				· · · · · · · · · · · · · · · · · · ·	ctue D7	(40 SED D						\.	_	
	_	he benzene v				-				. F. N		Yes	\square	No
	-	te contains b									ung;	2027		7074
2812				2819	2821		2822			2824		2833		2834
2835				2842	2843		2844			2861		2865		2869
Z873				2879	2891	2	2892	289	13	2896		2899		2911
3312	4953	49!	9	9511										
1	[7] et	ul		NALUKT . 1										
Layers:	☑ Sine	gle-phase	Ш	Multi-ph	ase									
Cambalu au		5	T) T			O=1 - 1 -	_1. •							
Container T	ype: 🖸	Drum [Tote	∐ Tru	ICK 🛄	Other (ex	piain	1)						
F-4		[] n=	, m .		o =									
Frequency: Quantity:		☑ Monthi	y 🗌 Ye	arly 🗌	One-Tir	ne								

If "Yes", If "Yes", Characteris	then please fills it:	us Waste" per of the UHC F D001 (Ignitable of the UHC) Details: Description of the UHC F	Form e) D004 D010	D002 (Corr D005	D00€		•	□ 000 0	
		d waste or mixe st ALL applicabl		?	Yes	; v	No		- -
40 CFR 261 If "Yes", t	.33(e) or (f)? then please lis	luct or spill clea	☐ Y∈ e codes:	es 🔽] No	aste code ur	nder		
	• Waste Code DOT Shipping		•	CESQ 3 G	I DOT/NON HA	7			
Class:	NA			PG:	NA NA	RQ:	NA		•
Fias	h Point	Hq	·	Reacti	lve Sulfides	Reactive	Cyanides	Sol	ids
-	NA	NA NA		NA	mg/l	NA	mg/i	NA NA	%
Oil &	Grease	TO	=		Zinc	Co	pper	Nic	kel
NA	mg/l	NA	<u>mg/l</u>	NA	mg/l	NA	mg/l	NA	mg/l
	COIN	Chemical Data							
		sts of the follow		İs		CONCENT Ranges are	acceptable		UNITS or % %
		sts of the follow		ls		Ranges are	acceptable		or %
		sts of the follow		ls		Ranges are	acceptable		or %

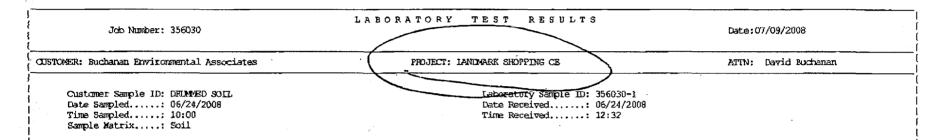
SECTION 5: Safety Relat	ed Data
If the handling of this wa	ste requires the use of special protective equipment, please explain.
7 40	
SECTION 6: Attached Su	pportine Documents
	, data and/or analysis attached to this form as part of the waste
approval package.	ANALYTICAL
SECTION 7: Incompatible	
Please list ALL incompatil	pilities (if any):
None Known	
SECTION 8: Generator's	Knowledge Documentation
	Pazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following	
TCLP Metals:	0
TCLP Volatiles:	0
TCLP Semi-Volatiles:	0
Reactivity:	0
Corrosivity:	0
Ignitability:	0
SECTION 9: Generator's	Certification
The information contains	d herein is based on 🔃 generator knowledge and/or 🔲 analytical data.
I hereby certify that the a	bove and attached description is complete and accurate to the best of
my knowledge and ability	to determine that no deliberate or willful omissions of compostion
•	all known or suspected hazards have been disclosed. I certify that the
materials tested are repr	esentative of all materials described by this document.
Authorized Signature:	Date: 7/14/2008
Driverd Name /Tieles	ZAC MCVANCHANI / DDECIDENT
Printed Name/Title:	ZAC MCKANGHAN / PRESIDENT
CE5 USE ONLY (DO NOT V	VRITE IN THIS SPACE)
	0 4 201 1
Compliance Officer:	Talune hangen
Date: <u>1-14-09</u>	Appróved J Rejected
Approval Number:	2902



1.	Base Pricing (including freight):
	\$65/DM-
	\$35/dm
	TI -
2.	Contamination Limits (maximum limit before surcharges apply):
	None
3.	Surcharge Pricing:
	NA
,	
4.	Special Testing Requirements:
	None-Open drum to make sure contents are as profile reads
_	
5.	Treatment and Handling Protocol:
	Class 1 Liquids and Indge Dox Apending on consistancy Solid 5
	761102
6.	Treated Wastewater Discharge Subcategory:
U.	Trace Trasteriated Distillarge Subtates of 1.
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
	_



	Tests for Product Recovered/Recycled (if applicable):
	Na
o	Management for Duoduct Decovered/Decoveled (if applicable)
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable); Na
8.	
8.	
8.	
8.	



TEST METROD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	WIDT	RL	DILLTTION	UNITS	BATCH	TOT	DATE/TIME	ומפתן
577-846 3050B	Acid Digestion: Solids, Soil	Complete				1 (401364		07/07/08 1520	srp
SW-846 3550B	Extraction (Ultrasonic) SNOCs Ultrasonic Extraction, Soil	Complete	}	1 				400748	 	06/25/08 1400	 mra
INROC TX-1005	INDEC 1005 Extraction (Ultrasonic) INDEC 1005 Extraction, Soil	Complete		1				 400787 		06/26/08 0830	
SW-846 7471A	Mercury (CVAA) Mercury (Hg), Soil	1 4.4		2.2	50.0	{1	ug/Kg	 401431		07/08/0B 1545	i idcl
5W-846 6010B	Metals Analysis (ICAP Trace) Antimony (Sb), Soil Arsenic (As), Soil Barium (Ba), Soil Beryllium (Be), Soil Cadmium (Oi), Soil Lead (Pb), Soil Nickel (Ni), Soil Selenium (Se), Soil Silver (Ag), Soil	0.290 0.823 37.0 0.244 0.014 2.50 2.71 3.14 0.168 0.0510		0.290 0.129 0.0980 0.038 0.014 0.0940 0.128 0.0790 0.168 0.0510	2.50 1.00 1.00 0.25 0.25 0.50 0.50 1.00 2.00		ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg ng/kg	401455 401455 401455 401455 401455 401455 401455 401455 401455 401455 401455		07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954	srp srp srp srp srp srp srp
ENRCC 1005	Direct Aralytical TPH Method TX 1005 Petroleum Hydrocarbons C6 - C12, Soil Petroleum Hydrocarbons C12 - C28, Soil Petroleum Hydrocarbons C28 - C35, Soil Petroleum Hydrocarbons C6 - C35, Soil	5.379 10.486 15.685 15.685		5.379 10.486 15.685 15.685	49.80 49.80 49.80 49.80	1.0000 1.0000 1.0000 1.0000	nd/kd nd/kd nd/kd nd/kd	400834 400834 400834 400834	} 1 	06/26/08 1257 06/26/08 1257 06/26/08 1257 06/26/08 1257	7 kp 7 kp

July Mumber: 356030 Date: 07/09/2008

CUSTOMER: Buchanan Stwitzerzental Associates: PROJECT: LANDMARK SHOPPING CE ATIN: David Buchanan

Customer Sample ID: DAINMED SOIL
Date Sampled.....: 06/24/2008
Time Sampled.....: 10:00
Sample Matrix....: Soil

Laboratory Sample ID: 356030-1 Rate Received.....: 06/24/2008 Time Received.....: 12:32

s Sampled.....: 10:00 Time Received.....: 12:

TEST METHOD	PAPAMETER/TEST DESCRIPTION	SAMPLE	RESULT	Q FLAGS	MEDL	LT.	(NOLIUTED)	UNITS	BATCH	DI	DATE/TIME	TEC
SW-846 8270C	Semivolatile Organics	[ŢŢ		Į .	}			1 !		(
	Acenaphthene, Soil	1	0.85	מן מן	0.85	330	1.00000	ug/Kg	401058	! !	06/30/OB 2117) mag
	Acenaphthylene, Soil	1	3.22	¦ប¦	3,22	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117	i maz
	Anthracene, Soil	1	1.15	ָ ^{יַט} ְ	1.15	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117	/ maz
	Benzo(a anthracene, Scil	ł	0.58	ដូរ	0.58	330	1.00000	ug/Kg	401058		06/30/0B 2117	
•	Benzo (b) fluorantheme, Soil	ł	1.19	រប	1.19	330	;1.00000 ¦	ug/Kg	401058	1 1	06/30/08 2117	∤¦πez
	,Benzo(k fluorantheme, Soil	l f	0.98	រុប	0.98	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117	≀¦πaz
	Benzo(ghi)perylene, Soil	1	1.96	ប ប	1.96	330	1.00060	ug/Kg	401058		06/30/08 2117	
	Benzo(alpyrene, Soil	\ (0.61	ប	0.61	330	1.00000	ug/Kg	401658		06/30/08 2117	
	Butyl Benzyl Phthalate, Soil	1	0.65	¦ס¦	0.85	330	1.00000	ug/Kg	491058		06/30/08 2117	
	bis(2-chloroethoxy)methane, Soil	}	1.31	ים¦	1.31	330	1.00000	ug/Kg	401058		06/30/09 2117	
	bis(2-Chlorcethyl)ether, Soil		1.67	[O]	1.67	330	1.00000	ug/Kg	401058		06/30/08 2117	
	his (2-chloroiscoropyl) ether, Soil		1.15	¦ʊ¦	1.15	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117	7¦ma:
	bis(2-ethylhexyl)phthalate, Soil	i i	2.10	יס¦	2.10	330	(1.00000)	ug/Kg	401058		06/30/08 2117	
	4-Bromophenyl Phenyl Ether, Soil	1	0.99	\v!	0.99	330	1.00000	ug/Kg	401058		06/30/0B 2117	
	4-Chloroaniline, Soil	<u> </u>	1.01	ប	1.01	330	1.00000	ug/Kg	401058		06/30/08 2117	
	2-Chloronaphthalene, Soil		1.14	יס¦	1.14	330	{1.00000 }	ug/Kg	401058		06/30/08 2117	
	4-Chlorophenyl Frenyl Ether, Soil	:	0.55	្រ	0.55	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Chrysere, Soil	<u> </u>	0.68	រុប	0.68	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Dibenzo(a,h)anthracene, Soil	;	1.50	լըլ	1.5B	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Dibenzofuran, Soil	l I	D.67	¦Ծ¦	0.67	330	1.00000	ug/Kg	401058		06/30/08 2117	
	1,2-DicAlorobenzene, Soil	i	1.02	ļυ¦	1.02	330	1.60000	uag/Rg	401058		06/30/08 2117	
	1,3-Dichlorsbenzene, Soil	i i	0.75	¦Ծ¦	0.75	330	1.00000	ug/Kg	401058		06/30/08 2117	
V.	1,4-Dichlorobenzene, Soil	ł	0.70	\U\	0.70	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Diethyl Phthalate, Soil	· ¦	0.67	ָ ^{יָט} ְ	0.67	330	1.00000	ug/Kg	401058		06/30/08 2117	
-1	Dimethyl Phthalate, Soil		0.89	រូបរួ	0.49	330	1,00000	ug/Kg	401058	1 1	06/30/08 2117	/ max
	Di-n-butyl Phthalate, Soil	1	0.91	\o\	0.91	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Di-n-octyl Phthalate, Soil	i	1.32	រ៉ុប្	1.32	330	1.60000	ug/Kg	401058		06/30/08 2117	
	2,4-Dinitrotoluene, Soil		0. B1	រុំប្	0.81	330	(1,00000	ung/Kg	401058		06/30/08 2317	∤¦πaz
1		1		1 5	1	:	!!!		!	: :		

Job Number: 356030 Date:07/09/2008

CUSTOMER: Buchanan Environmental Associates PROJECT: LANIMARK SHOPPING CE ATIN: David Buchanan

Customer Sample ID: DRIMMED SOIL Date Sampled.....: 06/24/2008
Time Sampled.....: 10:00
Sample Matrix....: Soil

Laboratory Sample ID: 356030-1 Tete Received.....: 06/24/2008 Time Received.....: 12:32

	2,6-Dinitrotoluene, Soil Fluoranthere, Soil Fluorene, Soil Hexachlorobenzene, Soil	1.38 1.12	(pl (p)	1,38	330			1	1 7		
	Fluorene, Soil			2100	เมือง	1.00000	ug/Kg	401058		06/30/08 2117	
		A 74	;o;	1.12	330	7.00000	ug/Kg	401058	-¦	06/30/08 2117	n 27
 	Havachinrohanzana Soi?	0.71	טְיָּ	0.71	330	1.00000	ug/Kg	401058	! !	06/30/08 2117	l maz
	ACOUNT CONTRACTOR DOLL	1.16]បរុំ	1.16	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Hexachlorobutadiene, Soil	0.74	ָּט יְ	0.74	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Hexachlorocyclopentadiene, Soil	0.71	lu!	0.71	330	1.00000	ug/ ₹g	401058		06/30/08 2117	
	Hexachlorcethane, Soil	0.97	o!	0.97	330	1.00000	ug/Rg	401058	: :	06/30/08 2117	ma
	Indeno(1,2,3-cd)pyrene, Soil	1.58	יטן:	1,58	330	2,00000	ug/Kg	401058	} }	06/30/08 2117	ma
	Isophorene, Soil	1,13	יס!	1.13	330	1.00000	ug/Kg	401058	¦ ¦	06/30/08 2117	'¦na
	2-Methylmaphthalene, Soil	1.12	lo!	1.12	330	1.00000	ug/Kg	401058	! !	06/30/08 2117	'¦ma
	Nachthalene, Soil	0.62	lu!	0.62	330	1.00000 ;	ug/Kg	401058	¦ ¦(06/30/08 2117	¦ma
	Nitrobenzene, Soil	0.91	o	0.91	330	1.00000 }	ug/Kg	401058	! !	06/30/08 2117	'¦ma
	n-Mitrosodi-n-propylamine, Soil	2.14	រុច!	2.14	330	1.00000	ug/Kg	401058	! !	06/30/08 2117	i m
	n-Mitrosodiphenylamine, Soil	0.76	រូប!	0.76	330	1.00000	ug/Kg	401058	! !	06/30/08 211 7	'¦m
	Phenanthrene, Soil	, D.66	¦ប¦	0.66	330	1.00000	ug/Kg	401058	}	D6/30/08 21 17	¦m
	Pyrene, Soil	1.11	រុប!	1.11	330	1.00000	ug/Kg	401058	! !	06/30/08 2117	i ma
	1,2,4-Trichlorobenzene, Soil	D.75	[ប]	0.75	330	1.00000	ug/Kg	40105B	<u> </u>	06/30/08 2117	¦m,
	4-Chloro-3-methylphenol, Soil	1.19	lu!	1.19	330	1.00000	uq/Kq	40105B	! !	06/30/08 211 7	, 1
	2-Chlorophenol, Soil	0.87	lo!	0.87	330	1,00000	ug/Kog	401058	1 1	06/30/08 2117	/ ក
	2,4-Dichlorophenol, Soil	1.46	יס!	1.46	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117	'¦m
	2,4-Dimethylphenol, Soil	0.86	'U'	. 0.86	330	1.00000	ug/Kg	401058	1	06/30/08 2117	1 31
	2,4-Dinitrophenol, Soil	2.50	្រៃ	2.50	1700	1.00000	ug/Kg	401058	; <u> </u>	06/30/08 2117	់ ព
	2-Methyl-4,6-dinitrophenol, Soil	12.0	լու	12.0	1700	1.00000	uq/Kq	401058	!	06/30/08 2117	'n
	2-Methylpherol (o-Cresol), Soil	1.39	រុប្	1.39	330	1.00000	uq/Kg	40105B	}	06/30/08 2117	ון י
	4-Methylphenol (p-Cresol), Soil	1.88	0{ 0{	1.88	330	1,00000	ug/Kg	401058	1 1	06/30/08 2117	l m
	2-Nitropherol, Soil	1,18	to;	1.18	330	1.00000	ug/Kg	40105B	! !	06/30/08 2117	, l m
* .	4-Witropherol, Soil	7.22	0	7,22	1709	1.00000	ug/Kg	401058	<u> </u>	06/30/08 2117	ļπ
j	Pentachlorophenol, Soil	11.0	ប្រាំ	31.0	1706	1.00000	ug/Kg	401058		06/30/08 2117	
	Phenol, Soil	0.74	ָ ^{יָט} ְ	0.74	338	1.00000	ug/Rg	401058	<u> </u>	06/30/08 2117	ļπ

Job Mumber: 356030

Date:07/09/2008

CUSTOMER: Buchanan Environmental Associates

PROJECT: LANDMARK SHOPPING CE

ATTN: David Buchanan

Oustomer Sample ID: CECEMED SOIL Date Sampled.....: 06/24/2008 Time Sampled.....: 10:00 Sample Matrix....: Soil Laboratory Sample ID: 355030-1 Date Received.....: 06/24/2008 Time Received.....: 12:32

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	MDT	. RL	ргголтж	UNITS	BATCH	 TT 	DATE/TIME	HORT?
	2,4,5-Trichlorophenol, Soil	3.70	,	1.70	330	1.00000	ug/Kg	401058		06/30/08 2117	
	2,4,6-Trichlorophenol, Soil	3.04	7 7 9 1	1.04	330	1.00000	ug/Kg	401058		06/30/0B 2117	
	2-Nitroamiline, Soil	3,18)¦	3.10	1700 .	1.00000	ug/Kg	401058		06/30/0B 2117	
	3-Nitrosmiline, Soil	3.70	J¦	3.70	1700	1.00000	ug/Kg	401058		06/30/08 2117	
	4-Nitrozmilíne, Soil	2.88 1	շ¦ ¦	2.88	1700	1.00000	ug/Kg	401058		06/30/08 2117	
	Carbazole, Soil	1.02	ا از ار	1.02	330	1.00000	ug/Kg	401058		06/30/08 2117	
	3,3'-Dichlorobenzidine, Soil	0.68	^y i i	0.68	670	1.00000	ug/Kg	401058	i	06/30/08 2117	7 {maz
SN-846 B260B	Volatile Organics	1 .			{	1 1		Ţ			į
	Benzere, Soil	1.36)}	1,36	5	1.00000	ug/Kg	401358		07/03/08 1855	
	Bromodichloromethane, Soil		י¦ ¦	1,46	5	1.00000	ug/Kg	401358		07/03/08 1053	
	Bromoform, Soil	1 2,55	\mathfrak{I}_{1}^{1}	1.93	¦ 5	1.00800	ug/Kg	401358		07/03/08 1859	
	Bromomethane, Soil		յլ	1.97	10	1.00000	ug/Kg	401358		07/03/08 185	
	Carbon Tetrachloride, Soil		ָלֶני ני	1.59	¦ 5	1.00000	uxg/Kg	401358		07/03/08 1855	
	Chlorobenzene, Soil)}	1.60	¦ 5	1.00000	ug/Kg	401358		07/03/08 1855	
	Chloroethane, Soil){	2.19	10	1.00000	ug/Kg	401358		07/03/08 185	
	Chloroform, Soil		J;	0,77	5	1.00000	ug/Kg	401358		07/03/08 1855	
	Chloromethane, Soil		ָלָי ¦ָּי	0.66	10	1.00000	ug/Kg	401358		07/03/08 1854	
	Dibromochloromethane, Soil		o¦ ¦	1.65	5	1.00000	ug/Kg	401358		07/03/08 1855	
	1,1-Dictionosthane, Soil		יו ^י כ	1,70	; <u>5</u>	1.00000	ug/Kg	401358		07/03/08 1855	
	1,2-Dichloroethane, Soil		ין יו <mark>י</mark>	2.43	¦ 5	1.00000	ug/Kg	401358		07/03/08 1855	
	1,1-Dichloroethene, Soil		ין ד	1,18	¦ 5	1.00000	ug/Kg	401358		07/03/08 1855	
	1,2-Dichloroethene (total), Soil		J¦ ¦	1.20	10	1.00000	ug/Kg	401358		07/03/08 1855	
	cis-1,2-Dichloroethene, Soil		J	1.28	5	1.00000	ung/Kg	401358		07/03/08 1855	
	trans-1,2-Dichloroethene, Soil		3¦	0.87	5	1.00000	ury/Kg	401358		07/03/08 1855	
1.	1,2-Dichloropropane, Soil		⊒¦ ¦	1.86	5	1.00000	ug/Rg	40135B		07/03/08 1855	
	Ethylbenzene, Soil		ים י	1,40	5	1,00000	ug/Kg	401358		07/03/08 1855	
	Methylene Chloride, Soil		g¦	1,43	10	1.00000	ung/Kg	401358		07/03/08 3855	
	Styrene, Soil	1.60	o¦ .	1.60	i 5	1.00000	ung/Kg	401358	ii	07/03/08 185	pistl
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PROJECT: LANGMARK SHOPPING CE

Date:07/09/2008

ATTN: David Buchanan

CUSTOMER: Buchanan Environmental Associates

Job Number: 356030

Customer Sample ID: ERRAMEO SOIL Bate Sampled.....: 06/24/2008
Time Sampled.....: 10:00
Sample Matrix....: Soil

Laboratory Sample ID: 35603D-1 Date Received.....: 06/24/2008 Time Received.....: 12:32

TEST METHOD	PAPANETER/TEST DESCRIPTION	SAMPLE RESULT	o envez	MDL	R	MOTULIED	UNITS	BATCH	DT	DATE/TIME	TECH
	1,1,2,2-Tetrachloroethane, Soil	1.74	[B]	1,74	5	1.00000	ug/Kg	401358		07/03/08 1855	
	Tetrachloroethene, Soil	1,66	ָלס¦	1.66	5	(1.00000)	ug/Rg	401358		07/03/08 1855	
	Toluene, Soil	1,33	ָ ^י ָט ^י ְ	1.33	5	1.00000	ug/Kg	40135B		U7/03/08 1855	
	1,1,1-Trichlorcethame, Soil	1.22	¦o¦	1.22	¦ 5	\$1.0000D }	ug/Kg	401350		07/03/0B 1855	
	1,1,2-Trichloroethame, Soil	0.51	ָנטן ניסן	0.51	¦ 5	3.00000	ug/Rg	401358		07/03/08 1855	
	Trichloroethens, Soil	1.67	լըլ []	1.67	5	1,00000	ug/Rg	401358		07/03/08 1855	
	Vinyl Chloride, Soil	1.66	ָנטן זיין	1.66	10	1.00000	ug/Eg	401358	i i	07/03/08 1855	211
	Xylenes (total), Soil	4.41	{U {}	4.41	15	1.00000	ug/8g	401358	ìi	07/03/08 1855	ztl
	Acetone, Soil		្រៃ! [ប្រ	2.59	10	1.00000	ug/Rg	401358		07/03/08 1855	
	Carbon Disulfine, Soil	1.22	0	1.22	10	1.00000	ug/Rg	401358 401358		07/03/08 1855 07/03/08 1855	
	Methyl Ethyl Ketone (2-Sutanone), Soil cis-1,3-Dichloropropene, Soil	1.86	in!	1.06	1 70	1.00000	υg/Kg ug/Kg	401358		07/03/08 1855	
	trans-1,3-Dichloropropene, Soil	1.29	ا <mark>ت</mark> !	1.35	1 6	1.00000	nd/ka	401358		07/03/08 1855	
	2-Hexanone, Soil	1.20	ָוֹט [ּ] וֹ	1.20	1 10	1.00000	vg/Rg	401358		07/03/08 1855	
	4-Methyl-2-pentanone (MIBK), Soil	1.75	ابتا	1.75	1 10	1.00000	ug/Kg	401358		07/03/08 1855	
	4-rediyi-2-periorios (arrio), sori	1	101	1 1.13	1	12,00000 1	Ug/ My	(301330	1	077 037 00 2000	1225
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Job Number: 356030 Date: 07/09/2008

CUSTOMER: Buchanan Environmental Associates PROJECT: LANDMARK SHOPPING CE ATTN: David Buchanan

Customer Sample ID: DRUMMED SOIL Date Sampled.....: 06/24/2008 Time Sampled.....: 10:00 Sample Matrix....: Soil

Laboratory Sample ID: 356030-1 Date Received.....: 06/24/2008 Time Received.....: 12:32

TEST METHOD	PARAMETER/TEST DESCRIPTION	Sample result	Q FIAGS	MDL	RL	DILLUTION	UNITS	BATCH	DT	DATE/TIME	TECH
SW-846 3050B	Acid Digestion: Solids, Soil	Complete		ļ		1		401364		07/07/08 1520	szp
5₩-846 3550B	Extraction (Ultrasonic SWCCs Ultrasonic Extraction, Soil	(Complete		 			•	400748	! ! [06/25/08 1400	 maxa
INFOC TX-1005	TNRCC 1005 Extraction (Ultrasonic) TNRCC 1005 Extraction, Soil	Complete		 		1 1		 400787	((06/26/08 0830	 1 mp
5W-846 7471A	Mercury (CVAA) Mercury (Hg), Soil	4.4		2.2	50.0		ug/Kg	401431	[07/08/08 1545	okal.
SW-846 6010B	Metals Analysis (ICAP Trace) Antimony (Sb), Soil Arsenic (As), Soil Barium (Ba), Soil Beryllium (Be), Soil Cachnium (Cd), Soil Chromium (Cr), Soil Lead (Bb), Soil Nickel (Ni), Soil Selenium (Se), Soil Silver (Ag), Soil	0.290 0.823 37.0 0.244 0.014 2.50 2.71 3.14 0.168 0.0510		0.290 0.129 0.0980 0.038 0.014 0.0940 0.128 0.0790 0.168 0.0510	2.50 1.00 1.00 0.25 0.25 0.50 0.50 2.00 0.50	1 1 1 1 1 1 1 1 1 1 1	Rg/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg	401455 401455 401455 401455 401455 401455 401455 401455 401455 401455 401455	<pre></pre>	07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954 07/08/08 0954	dis dis dis dis dis dis
TNRC 1005	Direct Analytical TPH Method TX 1005 Petroleum Hydrocarbons C6 - C12, Soil Petroleum Hydrocarbons C12 - C28, Soil Petroleum Hydrocarbons C28 - C35, Soil Petroleum Hydrocarbons C6 - C35, Soil	1 5,379 10,486 15,685 15,685		5.379 10.486 15.685 15.685	49.60 49.60 49.80 49.80	1.0000 1.0000 1.0000 1.0000	ng/Kg ng/Kg ng/Kg ng/Kg	400834 400834 400834 400834		06/26/08 1257 06/26/08 1257 06/26/08 1257 06/26/08 1257	kp kp

Job Number: 356030 Date:07/09/2008

CUSTOMER: Ruchanan Environmental Associates PROJECT: LANLWARK SHOPPING CE ATTN: David Buchanan

Customer Sample ID: DRUMMED SOIL Date Sampled.....: 06/24/2008
Time Sampled.....: 10:00

Time Sampled....: 10:00 Sample Matrix....: Soil Laboratory Sample ID: 356030-1 Cate Received.....: 06/24/2009 Time Received.....: 12:32

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	O F	LAGS	MOL	肊	MOLICITIES!	UNITS	BATCH	or i	DAUS/TIME	TECH
SN-846 8270C	Semivolatile Organics		ŢŢ						!			· ·
	Acenaphthene, Soil	0.65	រុប្ប	1	0.85	330	1.00000	ug/Kg	401058	1 - 1	06/30/08 2117	įπez
	Acenaphthylene, Soil	3,22	រប		3.22	330	1.00000	ug/Kg	401058	! !	06/30/OB 2117	/mez
	Anthracene, Soil	1.15	ខ្យ	1	1.15	330	1.00000	ug/Kg	401058		06/30/08 2117	
	{Benzo(a)anthracene, Soil	0.58	រូប¦		0.58	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Benzo(b)fluorantheme, Soil	1.19	U		1.19	330	1.00000	ug/Kg	401058	!!	06/30/08 2117	msz
	Benzo(k)fluoranthene, Soil	, 0.98	ប		0.98	330	1.00000	ug/Kg	401058	: :	06/30/08 2117	mez
	Benzo(ghi)perylens, Soil	1.96	U		1.96	330	1.00000	ug/Kg	401058		06/30/0B 2117	
	Benzo(a) pyrene, Soil	0.63	ָלנו ^י ,		0.61	330	1.00000	ug/Kg	401058		06/30/08 211 7	
	Butyl Benzyl Phthalate, Soil	0.85	יסן!		0.85	330	1,00000	ug/Kg	401058		¦06/30/08 2117	
	bis(2-chloroethoxy)methane, Soil	1.33	¦ם¦	1	1.31	330	1.00000	ug/Kg	401058		06/30/08 2117	
	bis(2-Chloroethyl)ether, Soil	1.67	U		1.67	330	1.00000	ug/Rg	401058		06/30/08 2137	
	his (2-chloroisopropy1) ether, Soil	1.15	¦D¦		1, 15	330	1.00000	ug/Kg	401058		06/30/08 2117	
	his (2-ethylhexyl) phthalate, Soil	2.10	¦o¦	·	2.10	330	1.00000	ug/Kg	401058		06/30/08 2117	
	4-Bromophenyl Phenyl Ether, Soil	0.99	Մ	·	0.99	330	1,00000	ug/Kg	401058		06/30/08 2137	
	4-Chlorcaniline, Soil	1.01	נֶטּיְ	i	1.01	330	1.00000	ug/Kg	401058		06/30/08 2117	
	2-Chloronaphthalene, Soil	1.14	រូបរុ	- 1	1.14	330	1.08000	ug/Kg	401058	} I	06/30/08 2117	maz
	4-Chlorophenyl Phenyl Ether, Soil	0.55	;បរុ	1	0.55	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Chrysene, Soil	0.68	֖֓֞֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	- 1	0.68	330	1.00000	ug/Kg	401058		06/30/08 2117	
	Direnzo(a,h)anthracene, Soil	1.58			1.58	330	1.00000	nd∖£d	401058		06/30/08 2117	
	Dibenzofuran, Soil	0.67	io¦	i	G . 67	330	1.00000 }	ug/Rg	401058		06/30/08 2117	
	1,2-Dichlorcheszene, Soil	1.02	0 0 0	i	1.02	330	1.00000	ug/Kg	401058		06/30/08 2117	
	1,3-Dichlorchemzene, Soil	0.75	io;	:	0.75	330	1.00000 }	ug/Rg	401058		06/30/08 2117	
	1,4-Dichlorobenzene, Soil	0.70	¦o¦	:	0.70	330	1.00000 }	ug/Kg	401058		06/30/00 2117	
	Diethyl Phthalate, Soil	0.67	la!	ì	୦.ଟ	330	1.00000	હવુ∕Kg	401058		06/30/08 2117	
	Dimethyl Phthalate, Soil	0.89	¦o¦	ì	0.69	330	1.00000	ug/Rg	401058	1 1	06/30/08 2117	maz
	Di-n-butyl Phthalate, Soil	0,91	¦o¦	i	0.91	330	1.00000	ug/Kg	401058		06/30/08 2117	maz
	Di-n-octyl Phthalate, Soil	1.32	lo¦	5	1.32	330	1.00000 ;	ug/Rg	40105B		06/30/00 2317	
	2,4-Dinitrotoluene, Soil	0.81	¦u¦	5	0.83	330	1.00000	ug/Kg	4010SB	1 4	06/30/09 2117	maz
	<u> </u>	•	!!	4	ļ.	l .	()		1	,	4	1

Job Number: 356030 Date: 07/09/2008

CUSTCHER: Buchanan Environmental Associates PROJECT: LANDMARK SHOPPING CE ATTN: David Buchanan

Customer Sample ID: DROMMED SOIL Date Sampled.....: 06/24/2008 Time Sampled.....: 10:00 Sample Matrix....: Soil Laboratory Sample ID: 356030-1 Date Received.....; 06/24/2008 Time Received.....: 12:32

ST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	ACM.	RL	DITULION	UNITS	BATCH	מר ^י	DATE/TIME
	2,6-Dinitrotoluene, Soil	1.39	0 !	1.38	338	1.00000	ug/Rg	401058	{	06/30/08 2117
	Fluorantheme, Soil	1.12	U	1.12	330	1.00000 }	ug/Kg	401058	1 1	06/30/08 2117
	Fluorene, Soil	0,71	\u ¹	0.71	330	1.00000	ug/8g	401058	! !	06/30/08 2117
	Hexachlorobenzene, Soil	1.16	(v) !	1.16	330	1.00000	ug/7g	401058		06/30/08 2117
	Hexachlorobutadiene, Soil	0.74	v	0.74	330	1.00000	ug/kg	401058	1 1	06/30/08 2117
	Hexachlorocyclopentadiene, Soil	0.71	נס!	0.71	330	1,00000	ug/Kg	401058		06/30/08 2117
	Hexachlorcethane, Soil	0.97	נס!	0.97	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117
	Indeno(1,2,3-cd) pyrene, Soil	1.58	v	1.58	330	1.00000	ug/Kg	401058	!!	06/30/08 2117
	Isophorone, Soil	1.13	¦σ! }	1,13 ¦	330	1.00000	ug/Rq	401058		06/30/08 2117
	2-Mathylnaphthalene, Soil	1.12	រូប រំ	1.12	330	1.00000	ug/Rg	40105B	!!	06/30/08 2117
	Naphthalere, Scil	, 0,62	ָלָד <u>י</u>	0.62	330	1.00080	ug/Kg	40105B		06/30/08 2117
	Nitrobenzene, Soil	0.91	{u} }	0.91	330	1.00000	ug/Kg	401058	!!	06/30/08 2117
	n-Nitrosedi-n-propylamine, Soil	2.14	[ס	2.14	330	1.00000	ug/Kg	401058	!!	06/30/0B 2117
	n-Witrosodiphenylamine, Soil	0.76	יס! !ס!	0.76	330	1.00000	ug/Kg	401059	1 1	06/30/08 2117
	Phenanthrene, Soil	, 0.66	יס!	0.66	330	1.00000	ug/Kg	401058	1 !	06/30/08 2117
	Pyrene, Soil	1.11	יט!	1.11	330	3.00000	ug/Kg	901058	[]	06/30/08 2117
	1,2,4-Trichlorobenzene, Soil	0.75	יטן ן	0.75	330	1.00000	ug/Kg	401058	, ,	06/30/08 2117
	4-Chloro-3-methylphenol, Soil	1.19	¦σ! !	1.19	330	1.00000	ug/Kg	401058	1	06/30/0B 2117
	2-Chlorophenol, Soil	0.87	ט	0.87	330	1.00000	ug/Kg	401058	1 1	06/30/08 2117
	2,4-Dichlorophenol, Soil	1.46	ריי (יוני) וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין וייניין ויינייין וייניין וייניין וייניין וייניין וייניין וייניין וייניין ויינייין ויינייין ויינייין ויינייין ויינייין ויינייין ויינייין וייניייין וייניייין וייניייייין וייניייייייייי	1.46	330	1.00000 /	ug/Kg	401058	1 1	06/30/08 2117
	2,4-Dimethylphenol, Soil	0.86	ָּיִט [ְ] :	0.86	330	1.00000	ug/Kg	401058	!!	06/30/08 2117
	2,4-Dinitrophenol, Soil	2.50	lo! !	2,50	1709	1.00000	ug/Kg	401058	! !	06/30/08 2117
	2-Methyl-4,6-dimitrophenol, Soil	12.0	U	12.0	1700	1.00000 }	ug/Kg	401058	Į į	06/30/08 2137
	2-Methylphenol (o-Cresol), Soil	1.39	טן !	1.39	331)	1.00000	ug/Kg	401058	L	06/30/08 2137
	4-Methylphenol (p-Cresol), Soil	1,88	lo¦	1.88	330	1.00000	ug/Kg	401058	1	06/30/08 2117
	2-Nitrophenol, Soil	1.18	lo!	1.18	330	1.00000	μα/Κα	401058	{	06/30/08 2117
	,4-Nitrophenol, Soil	1.22	מן ו	7.22	1700	1.00000	ug/Rg	401058	1 1	06/30/08 2117
	Pentachlorophenol, Soil	11.0	[ប]	11.0	1700	1.00000	ug/Rg	401058	!!	06/30/08 2117
	Phenol, Soil	\$ 0.74	¦σ¦ }	0.74	330	1.00000	ug/₹g	401058	! !	06/30/08 2117
	1	•	!! \$!		!!!		!	1	

Jab Number: 356030

Date: 07/09/2008

CUSTOMER: Burhanan Environmental Associates

PROJECT: LANIMARK SHOPPING CE

ATTN: David Buchanan

Customer Sample ID: DRUMMED SOIL Date Sampled....: 06/24/2008
Tire Sampled....: 10:00
Sample Matrix....: Soil

Laboratory Sample ID: 356030-1 Date Received.....: 06/24/2008 Time Received.....: 12:32

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	KL	DILLION	UNITS	BATCH	DT }	DATE/TIME	TECI
	2,4,5-Trichlorophemol, Soil	1,70		1.70	330	1.00000	ug/Rg	401.058		06/30/08 211	7 maz
	2,4,6-Trichlorophenol, Soil	1,04	\o\ \ \	1.04	330	1.00000	ug/Ka	401058	!!	06/30/08 211	7 maz
	2-Nitroaniline, Soil	3.18	{v!	3.18	1700	1.00000	ug/Kg	401058	!!!	06/30/08 2111	7 maz
	3-Nitroamiline, Soil	3.70	!o!	3.70	1700	1.00000	ug/Rg	401058		06/30/08 211	
	4-Nitroaniline, Soil	2,98	{o}	2.88	1700	1.00000	ug/Rg	401058	! !	06/30/08 211	7 maz
	Carbazole, Soil	1.02	{o}	1.02	330	1.00000	ug/Rg	401058	! h	06/30/08 211	7 maz
	3,3'-Dichlorobenzidine, Soil	0.68		0.68	670	1.00000	ug/Kg	401058	1 1	06/30/08 211	7 maz
SW-846 8260B	Volatile Organics	į		į	•	į į		Í	įį		į
	Benzene, Soil	1.36	ָּיִט [ְ] ,	1.36	5	2.00000	usq/Rg	401358	!!	07/03/08 1855	5!zf1
	Brondichloromethane, Soil	1.46	a }	1.46	5	1.00000	ucj/Kg	401358	!!	07/03/08 1855	5 zfl
	Bromoform, Soil	1.93	σ ;	1.93	5	1.00000	usg/Kg	401358	¦ ¦(07/03/08 1855	5¦z£1
	Bromomethane, Soil	1.97	រូប!	1.97	10	1.08000	ug/Kg	401358	! !	07/03/08 1859	5.zfl
	Carbon Tetrachloride, Soil	1.59	[ប]	1.59	5	1.00000	ug/Kg	401358	! !	07/03/08 1855	5 ⁽ 2fl
	Chiorobenzene, Soil	1.60	!σ!	1.60	5	1.00000 !	ug/Kg	401358		07/03/08 1853	
	Chloroethame, Soil	2.19	ן סן	2.19	10	1.00000	ug/Kg	401358	i i	07/03/08 1853	5.zfl
	Chloroform, Soil	0,77	[8]	0.77	5	1.00000	ug/Kg	401358	; ¦	07/03/08 185:	5 z£
	Chloromethane, Soil	0.66	\ 0 ;	0.66	10	1.00000	ug/Kg	401358	, ,	07/03/08 1853	5 zfl
	Dibromochloromethane, Soil	1.65	ן לין 	1.65	5	1.00000	ug/Kg	401358	} ¦(07/03/08 1855	5 z£l
	1,1-Dichloroethame, Soil	1.70	ן לין	1.70	5	1.00000	ug/Kg	401358	! !	07/03/08 1855	5 zfl
	1,2-Dichloroethame, Soil	2.43	լոլ	2.43	5	1.00000	ug/Kg	401358		07/03/08 185 !	
	1,1-Dichloroethene, Soil	1.19	יןטן	1.18	5	1.00000	ug/Kg	401358	1 1	07/03/OB 1855	5 zfl
	1,2-Dichloroethere (total), Soil	1.20	រូបរ្តុំ រុំ	1.20	16	1.00000 }	ug/Kg	401358	1 3	07/03/OB 1855	5 zfl
•	cis-1,2-Dichlorcethene, Soil	1.28	}o!	1.28	5	1.00000 }	ug/Rg	401358		07/03/08 1855	
Y .	trans-1,2-Dichloroethene, Soil	\	ַנס <u>י</u>	0.87	5	1.00000	ug/Kg	401358	լ լ յ (07/03/08 1859	5¦zf1
	1,2-Dichloropropene, Soil	. 1,96	lu¦ ¦	1.8 6	5	1.00000	ug/Kg	401358		07/03/08 1859	5¦zfl
	Ethylbenzene, Soil	1.40	lo!	1,40	5	1.00000	ug/Kg	401358		07/03/08 185	5 zf]
	Methylene Chloride, Soil	1.43	יטן ו	1.43	10	1.00000	wg/Rg	401358		07/03/0B 185!	5¦zfl
*	Styrene, Soil	1.60	lol :	1,60	5	1.90000	13/7 g	401358	1	07/03/08 1855	5¦zfl
		1	ri c	Ţ	•	1 1	_	1	ι {		1

Job Number: 356030

Date: 07/09/2008

CUSICMER: Buchanan Environmental Associates

PROJECT: LANDMARK SHOPPING CE

ATTN: David Buchanan .

Customer Sample 1D: DELEMED SOIL Date Sampled.....: 06/24/2008 Time Sampled.....: 10:00 Sample Matrix....: Soil Leboratory Sample ID: 356030-1 Date Received.....: 06/24/2008 Time Received.....: 12:32

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	. WDT	%T	MOTTGALE	UNTTS	BATCH	DT	DATE/TIME	TEXH
	1,1,2,2-Tetrachiomethame, Soil	1.74	υ	3.74	5	1.00000	vg/Kg	401358		7/03/08 185	
	Tetrachlorcethene, Soil	1.66	U	1.65	5	1.00000	og/Kg	401358	01	7/03/08 185	5¦zfl¦
	Toluene, Soil	1.33	¦o¦	1,33	5	00000.1	ug/Rg	401358	¦ ¦oʻ	7/03/08 185	5¦2£1 ¦
	1,1,1-Trichloroethane, Soil	1.22	¦o¦	1.22	t 5	(1.00000)	υ g/ Kg	401358		7/03/08 185	
	1,1,2-Trichloroethane, Soil	0.51	¦o¦	0.51	5	1.00000	ug/Kg	403358		7/03/08 185	
	Trichlomethens, Soil	1.67	וֹסוֹ	1.67	5	1.00000	nad/Kid	401358	} ;0	7/03/08 185	5¦z£l¦
	Vinyl Chloride, Soil	1.66	ו <mark>ט</mark> ן	1.66	10	1.00000	ug/Kŋ	401358	0	7/03/08 185	5¦2£1 ¦
	Xylenes (total), Soil	4.41	iΨi	4.41	15	1.00000	ug/Kg	401358		7/03/08 185	
	Acetone, Soil	2.59	יס! 	2.59	10	1.00000	па/Ка	401358	i i0	7/03/08 185	5}z£l
•	Carbon Disulfide, Soil	1.22	ָ ⁰	1,22	10	1.00000	ug/Kg	401358	i i	7/03/08 185	Sizil i
	Methyl Ethyl Ketone (2-Butanone), Soil cis-1,3-Dichloropropene, Soil	1.86 1.29	[מ]	1.66 1 . 29	j 10	1.00000	ug/Kg	401358	j i	7/03/08 185	S ZIL
	trans-1,3-Dichloropropene, Soil	1.35	[[] טְּ	1.35	1 6	1.00000 1	ug/Kg ug/Kg	401358	(h	7/03/08 165 7/03/08 185	5 211
	2-Hexarone, Soil	1.20	ξ _n (1.20	10	1.00000	ug/Kog	401358		7/03/06 105 7/03/06 105	
	4-Methyl-2-pentanone (MIBM), Soil	1.75	lo!	1.75	! 10	1.00000	nd\rd	401358		7/03/08 185	
			{**{			1	-91-19	,	! !	.,,	
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*RUSH TURNAROUND MAY REQUIRE SURCHARGE

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TRENT	

113-690 -4444

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CHAIN OF CUSTODY RECORD

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CUSTOMER INFORMATION			CT INFOR					00		7				7	77	/	
COMPANY: Bullyngn Env. Assoc SEND REPORT TO:	PROJEC	CT NAME/NUN	MBER: LA	NDMARI	< SC	S		ET.	./						///	•	
SEND REPORT TO:		BILLIN	IG INFOR	MATION		Marie I		MS3C	/	/ ,	/4,	/ ,	/	/ /	/ / /		
ADDRESS: P.O. BOX 14634	BILL TO);				OF CONTAINERS	AMALYSISM	03/	' /		4		/	' /			
Humble, 7x 77347	ADDRES	SS:				00	11/4			\int_{0}^{t}	7				//		
Manual January		5	X)YI'V					/ ,	$/_{\mathfrak{b}}$	1/2/	7. ,	/ ,	/	/ /	/ / L	AB JOB	NO.
PHONE: 28/ 852 2438	PHONE:					NUWBER		0		٠	*/			' /	13	203	
FAX: 2462	FAX:		P0	NO:			/\`				7	/					
SAMPLE NO. SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER	PRESERV.					/ *	1	/ /	/ ,	/ /	REMARK	S/PRECA	UTIONS
1 Drummed Soil	6/24/0		SoiL	24403	100	4	X	X	X	X							
				2				,		77							
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SAMPLER Sucham		SHIPMENT	METHOD:				Ll			AIRE	ILL	VO.:		<u> </u>		C.COLINE	
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STL8222H-600 (0803)

STL Houston 6310 Rothway Drive Houston, TX 77040



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/25/2008

Dear Larry

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2903

Expiration Date 7/25/2010

Generator: Gulf Stream Marine (Greensport)

Address: 13609 Industrial Rd

Houston, TX 77015

Waste Information

Name of Waste: TPH Contaminated Soil

TCEQ Waste Code #: CESQ4891

Container Type:

roll-off

Detailed Description of Process Generating Waste:

removal of soil around maintenance shop

Color: dark

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none known

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

ISWR Number: 30900

U.S. EPA ID Number: TXD008950461

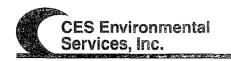
SECTION 1: Generator Information Company: Gulf Stream Marine (Greensport) Address: 13609 Industril Road City: Houston State: 77015 TX Zip: Contact: Larry Guiterrez Title: Environmental/Safety manager **Phone Number:** 713-289-2177 Fax Number: 713 453-3898 24/hr Phone Number: 713-816-3052 **US EPA ID No: TXCESQG** State ID No: **CESQG** SIC Code: NA **SECTION 2: Billing Information -**Same as Above Gulf Stream Marine Company: Address: 10000 Manchester City: Houston State: 77012 TX Zip: Contact: Larry Guiterrez Title: **Phone Number:** 713-289-2177 Fax Number: 713 453-3898 **SECTION 3: General Description of the Waste** Name of Waste: **TPH Contaminated Soil Detailed Description of Process Generating Waste:** removal of soil around maintenance shop **Physical State:** Liquid Sludge Powder Combination **V** Solid Filter Cake Color: dark Odor: hydrocarbon Specific Gravity (water=1): 1.2 Density: 8.5 lbs/gal Does this material contain any total phenolic compounds? Yes ✓ No Does this material contain any para substituted phenolic compounds? ✓ No Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ✓ No Yes Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2824 2822 2823 2834 2833 2841 2835 2836 2842 2843 2844 2851 2861 2865 2869 2873 2876 2879 2874 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 Multi-phase Layers: Single-phase **Container Type:** ☐ Drum Tote ☐ Truck ☑ Other (explain) Frequency: \square Weekly \square Monthly ot Yearly ot One-Time Quantity:

		us Waste" per plete, sign and c			Yes Yes		No ached hereto			
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)										
		d waste or mix it ALL applicabl		e?	☐ Yes	; <u>v</u>	No			
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)?										
Texas State	Waste Code	Number:		CESQ4891			-			
Proper US D	OT Shipping	Name:	Non RCRA/	Non DOT Re	gulated Soil					
Class:	NA	UN/NA:	NA	_PG:	NA	RQ:	NA			
Flash	Point	рН		Reacti	ve Sulfides Reactive Cyanides			Solids		
	IA	NA NA		NA NA	mg/l	NA	mg/l	100	%	
Oil &	Grease	TO	<u> </u>		Zinc	Co	pper	Nickel		
>1500	mg/l	NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/l	
SECTION 4:	Physical and	Chemical Data								
	CON	IPONENTS TAB	LE			CONCENT	RATOIN		UNITS	
Th	e waste consi	sts of the follow	ving mater	ials	Ranges are acceptable				or %	
		Soil				98-1			%	
	Hydr	aulic oi <mark>l, mo</mark> tor	oil	0-2				%		

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Soil	98-100	%
Hydraulic oil, motor oil	0-2	%
· · · · · · · · · · · · · · · · · · ·		
		
<u> </u>		
<u> </u>		

SECTION 5: Sa	itety Relate	ed Data				
If the handling	of this was	ste requires the u	se of special protect	tive equipment, please e	xplain.	
Standard PPE						
		porting Docume				
List all docume	ents, notes,	data and/or anal	ysis attached to this	form as part of the was	te	
approval packa	age.	Analysis 8070132	2			
						-
	.					-
SECTION 7: In	compatibili	ities				
Please list ALL						
None Known	mcompatib	micies (ii atty).				
None Known						
	-				••••	
SECTION 8: G	enerator's l	Knowledge Docui	<u>mentation</u>			
Laboratory and	alysis of the	hazardous waste	characteristics, list	ed below, WAS NOT PER	FORMED	
based upon the	e following	generator knowl	edge:			
TCLP Metals:		X				
TCLP Volatiles:		X				
TCLP Semi-Vola		X				-
Reactivity:		X				
Corrosivity:	•	X		· <u>-</u>		
Ignitability:		X				
	•					
SECTION 9: Wa	ste Receipt (Classification Unde	r 40 CFR 437 (Prtaini	ng to Pre-Treatment Requi	irements fo	r Centralized Waste Treatment
Facilities)						
ls			wastewater sludge?		YES	✓ NO
	ir yes, co	omplete this sectio	n.			
PL	LEASE CHECK	K THE APPROPRIAT	E BOX. IF NO APPRO	PRIATE CATEGORY, GO TO	THE NEXT I	PAGE.
Metals Subcate			a alcalara a			
		plating baths and/o g rinse water and s				
_	romate was	•	iuuges			
=		control blow down	water and sludges			
☐ sp	ent anodizir	ng solutions	-			
	cineration w					
	aste liquid n					
		aining wastes great nd bases with or w				
				om electroplating or phose	hating one	rations
=	0,	urring wastewater	paration solutions in	om creatiopidating or priorp	mating ope	
			to clean metal parts o	or equipment		
Oile Subsetone	arr Cribnant	D				
Oils Subcategor	y: Subpar t sed oils	В				
=		ulsions or mixtures				
=	ıbricants					
=	oolants					
_		-	n-up from petroleum	sources		
_	sed petroleu	•				
	il spill clean- Ige water	up				
		aters from netrole	ım sources			

☐ Interceptor wastes
Off-specification fuels
Underground storage remediation waste
☐ Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
☐ Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
☐ Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on generator knowledge and/or analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of composition
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all infiterials described by this document.
MON IN A
Authorized Signature: Date: 7-25 03
Printed Name/Title: Wildlight of M
Printed Name/Title:
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
I
Compliance Officer:
Date: 1/15/04/ Approved Rejected
Approval Number: 2903



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$350.00/ load freight, \$85.00/yard disposal
2. Contamination Limit (maximum limit before surchages apply): None
Inone
<u> </u>
3. Surcharge Pricing:
None
4. Special Testing Requirements:
None -
<u></u>
E. Tuestment and Handling Bustocals
5. Treatment and Handling Protocol:
No free liquids! REDIRECT to Regulation
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
NA	
<u> </u>	
8. Management for Product Recovered/Recycled (if applicable)	
NA .	

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

(713) 748-8664

Attn:

Karl Guidry

- CERTIFICATE OF RESULTS -

MES Lab#:

8070132

Client Sample ID:

Soil

Project#: 0708-22

Extended ID:

Project Name: Gulf Stream Marine

Sample Collect Date: 7/8/2008 @ 10:55:00 AM

Sample Type:

Comp

Sample Receipt Date: 7/8/2008 @ 4:25:00 PM

Te	Sf	Gr	้ดม	n/	М	eth	od
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Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: HDG Date / Time			
C6 - C12 Hydrocarbons	4	229	mg/kg	7/15/2008 / 4:32 AM			
>C12 - C28 Hydrocarbons	8	27700	mg/kg	7/15/2008 / 4:32 AM			
>C28 - C36 Hydrocarbons	8	1960	mg/kg	7/15/2008 / 4:32 AM			
Total TPH	20	29900	mg/kg	7/15/2008 / 4:32 AM			

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller, Ph.D., Lab Director

Tuesday, July 22, 2008

Date

Report Date: 22-Jul-08 Page 1 of 1 8070132

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC	
C6-C12 C12-C28		< 4 < 8		126.5 114.6		

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature:

John Keller / Laboratory Director

July 22, 2008

– Mercury Environmental Services, Inc. –

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COMPANY ADDRESS: 414 OF	GS KOOL STAT	01 - TV	ZIP I	107	_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1ercu 913 Hv	ıry E1 vy. 225	nviron • Deer	ment. Park, TX	al Se 177536	rvice	5	Fax (281)-476-4406
CONTACT PERSON'S NAME:	Carie	رار-				PA	HAMET	ERS FOR	ANALY!	sis /	, ,		5 REMARKS
CONTACT PERSON'S PHONE: 113-148	39804_	FAX #: 11	3-676	2-147	6				/ /	/ /	NUMBER OF COME	AINERS	TURNAROUND TINES
YOUR PROJECT NO.: YOUR PO. #: OTCR-21	L AU F	YOUR PROJE		apin		<u> </u>		/ /	/ /		\ \delta_{Q_{0}}^{Q_{0}}	PRESERVATIONS	DETECTION LIMITS SPECIAL LIMITS REQUIRED
PROJECT ADDRESS:						/	/ /	/ /			UMBER	PESERV	Yes No Please circle one, if Yes,
YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE 1/9/0	TIME 105A	MATRIX	X				_		8	<u> </u>	please describe below or include separate sheet detailing requirements.
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Sample Remainder Disposal		- /		Ì	Request L	iC oT de	apose Of	All Sampl	e Remain	ders	7		
☐ Return Sample Remainder To Clent Via					gnature)							ala)	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: 2.5-7

Waste Pre-Acceptance/Approval Letter

Date 7/25/2008

Dear Jesse Plancarte

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2905

Expiration Date 7/25/2010

Generator: Green Earth Fuels LLC

Address: 550 Clinton Drive

Galena Park, TX

Waste Information

Name of Waste: Methanol Wastewater

TCEQ Waste Code #: 00081011

Container Type:

Detailed Description of Process Generating Waste:

Rinse water from biodiesel plant operations

Color: clear Odor: mild

Physical State:

Incompatibilities: None Known

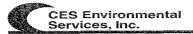
Safety Related Data/Special Handling:

Standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



JB

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information	,	
Company: GREEN FACT ELEEN EA	ath Fuel	5 le
Address: 550 Clinton Dr		
City: <u>Balena Park</u> State:	TEXAS	Zip:
Contact: Admins Randle	Title:	SATELY
Phone Number: 7/3-534-3842	Fax Number:	
24/hr Phone Number: 7/3 -574- 3842		
US EPA ID No:		
State ID No:	SIC Code:	
SECTION 2: Billing Information - Same as Above		
Company: Rada technologies		
Address: F.o. Box 1197 City: Recolond State:		Zip: フフラタお
12000000	Title:	Zip: <u>77588</u> Mesidut
Phone Number: 381-541-4429	— Fax Number:	
Phone Number: <u>281-541-4429</u>	rax Number.	E-MAN DESENTANCIAN GGANOO.C.
SECTION 3: General Description of the Waste		
Al CAR I Manager I manager	ti. Schoon part de	
Name of Waste: METHANNI WASTEW.	ATER	
Detailed Description of Process Generating Waste:		
Rinse Water from Biodie	sel plan	operstians
	,	·
Physical State: Liquid Sludge	. 📙	Powder
Solid Filter Ca	ке 📋	Combination
Color: Clear	Odor:	~:18
		, sec me
Specific Gravity (water=1):		Density: 13 4 lbs/gal
Does this material contain any total phenolic compounds?	Yes	□ No The pro-
Does this material contain any para substituted phenolic co	mpounds?	Yes No
Is the Waste subject to the benzene waste operation NESHA		
Answer "Yes" if your waste contains benzene AND if the SIC of		
2812 2813 2816 2819 28		
2835 2836 2841 2842 28		
2873 2874 2876 2879 28	91 2892	2 2893 2896 2899 2911
3312 4953 4959 9511		
Layers: Single-phase Multi-phase		
Container Type: Drum Tote Truck	Other (explai	n)
, =		
Frequency: Weekly Monthly Yearly One Quantity:	-Time	

Is this a USEPA "Hazard If "Yes", then please cor				Yes Your Yes		d hereto		
If "Yes", Is it:	☐ D001 (Ignitabl Metals:	e) D004 D010	□ D005	☐ D006	D003 (Reactive		☐ D009	
Characteristic for Toxic	Organics: D012	thru D043 ()	please list al	l that apply)				
Is this an "F" or "K" Listo If "Yes", then please I			?	☐ Yes	[] No			
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please i		Y		n "U" or "P" w a 'No	ste code under			
Texas State Waste Code			000					
Proper US DOT Shipping Class:	g Name: UN/NA:	Non RC	PG:	TOQ NO	Regulati	ما د	4ASEC	water
Floor Doint			Danati	Culfidaa	Donative Cue	ا ممادات	C = 1	:
Flash Point	2.5-7		Reactive Sulfides mg/l		Reactive Cya	mg/i	Sol 5	ias %
Oil & Grease	TO			Zinc	Copper		Nic	
O mg/l	10,000	mg/l	0	mg/l	mg/l		mg/l	
SECTION 4: Physical and								
	MPONENTS TAB sists of the follow		ale		CONCENTRAT Ranges are acce			Or %
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					75-Lo			
								
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2 (14 4 9034 A	
SECTION 6. Attached	Supporting Documents
	es, data and/or analysis attached to this form as part of the waste
approval package.	CES TEST ROSULTS
CECTION 7	
Please list ALL incompation	
· · · · · · · · · · · · · · · · · · ·	with
	N.C.
	r's Knowledge Documentation
	the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the follow	ing generator knowledge:
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TCLP Metals: TCLP Volatiles:	<u>V</u>
TCLP Semi-Volatiles:	<u> </u>
Reactivity:	
Corrosivity:	Je
corrosivity.	
Ignitability:	
Ignitability:	<u>></u>
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SECTION 9: Waste Recei	<u> </u>
SECTION 9: Waste Received Facilities) Is this mate	ipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Tr
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SECTION 9: Waste Receifacilities) Is this mature of Yes PLEASE CH Metals Subcategory: Subsection of Spent election of Spent and Incineration of Waste liquid (Cyanide-cook) (Cyanide-cook) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleaning, rowspending) (Cleanin	ipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment and section. Perial a wastewater or wastewater sludge? In Complete this section. IECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. In Control blow down water and sludges wastes on control blow down water and sludges dizing solutions on wastewaters id mercury ontaining wastes greater than 136 mg/l dis and bases with or without metals insing, and surface preparation solutions from electroplating or phosphating operations deburring wastewater and acid solutions used to clean metal parts or equipment wastewaters are disconsistent of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the parts of the part

Interceptor wastes
☐ Off-specification fuels
 ☐ Underground storage remediation waste ☐ Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
 ☐ Wastewater from organic chemical product operations ☐ Tank clean-out from organic, non-petroleum sources
runk dean out from organic, non perforcant sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(Note: 37.5 mg/2
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: 7/25/08
Printed Name/Title: JESSE Plancaefe President
CES USE ONLY (DO NOT WRITE JM THIS SPACE)
Compliance Officer: Date: 125 9 Rejected Approval Number: 2105



1. Base Pricing (including freight):

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

\$,12/341
2. Contamination Limit (maximum limit before surchages apply):
Toc lo, ou
3. Surcharge Pricing:
605/9Al per 5000 Toc
4. Special Testing Requirements:
pt, Phenol, Tac
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicate	ble)

Al Longoria

From:

Joy Baker

Sent:

Friday, July 25, 2008 3:37 PM

To: Subject: Al Longoria FW: Sample ID 0708-41

Follow Up Flag: Flag Status:

Follow up Flagged

From: Godefroy Gbery <ggbery@cesenvironmental.com>

Sent: Friday, July 25, 2008 1:41 PM

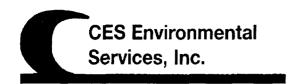
To: Joy Baker <jbaker@cesenvironmental.com> **Cc:** Miles Root <mroot@cesenvironmental.com>

Subject: Sample ID 0708-41

PH 3.02 Phenol 2 ppm TOC 16290 ppm Metals

Untreated Sample: Cd 0.052 ppm; Cr 0.00 ppm; Cu 0.042 ppm; Ni 0.057 ppm; Zn 0.073 ppm Treated sample: Cd 0.016 ppm; Cr 0.00 ppm; Cu 0.043 ppm; Ni 0.072 ppm; Zn 0.027 ppm

2906 Kinder Mosgan



Waste Pre-Acceptance/Approval Letter

Date 7/31/2008

Dear Jonny Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2906

Expiration Date 7/31/2010

Generator: Kinder Morgan **Address:** 906 Clinton Dr

Galena Park, TX 77547

Waste Information

Name of Waste: MTBE and water mixture

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

From the cleaning of a tank containing MTBE

Color: clear

Odor: mild, ether like

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

PPE for flammable material

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Ganarat	os laformat	ion											
Company:														
Address:		ton Drive	CHQ FUIX											
City:	Galena				tate:	TX		Žip:						77547
Contact:	Lance W				, Luico.	Title:		- r.h.						,,,,,
Phone Num			4-4912			Fax Numb	100							
24/hr Phon			4-4312			- LOW IAPILIT	JE1.							
US EPA ID N		~~~~	6481253			-								
State ID No		TAPOL	0401233		30573	SIC Code:					-			
State ID IT	•					- ale code.								
SECTION 2:	Billine In	formation -	✓ s	ame as Ab	nove									
Company:														
Address:														
City:				S	tate:			Zip:				_		
Contact:						Title:		•						
Phone Num	ber:					Fax Numb	er:					_		
						•								
SECTION 3:	General	Description	of the Was	ite										
				<u> </u>										
Name of Wa	aste:	MTBE	& Water m	ixture										
Detailed De	scription	of Process	Senerating	Waste:						_				_
								•						
From the cle	aning of	a tank conta	ining MTB	•										
			—— ——— ———————————————————————————————											
Physical Sta	te: [✓ Liquid		□ s	ludge			Powder						
	[Solld		☐ F	ilter Cake			Combinat	tion					
Calor:	Clear					Odor:		Mild, Ethe	er Ilke			-		
		***							6	-1				
Specific Gra	vity (wate	B r=1) :			0.74	_		Density:	Vapo	<u> </u>	es/gal			
		•												
Does this m	aterial co	ntain any to	otal phenoi	ic compou	ınds?		Yes	[J	No					
Does this m	aterial co	ntain any p	ara substiti	uted phen	olic comp	ounds?			Yes	✓ N	10			
Is the Waste	-			-					•			es	Ø	No
Answer "Yes			ins benzend	a AND if th	ne SIC cod	e from you	r fac	ility is one	of the	followi	ng:			
2812	2	813	2816	2819	2821	2	822	282	3	2824	2	833		2834
2835	2	836	2841	2842	2843		844	285	-	2861	2	2865		2869
2873		874	2876	2879	2891	2	892	289	3	2896	2	899		2911
3312	4	953	4959	9511										
	_													
Layers:	□ :	Single-phase	e 년	Multi-p	hase									
* ********** *			— -	<u> </u>										
Container Ty	/be:	Drum	Tate	• [☑ T /	ruck 📋	Other (exp	olain)						
Frequency:	☐ 14/aa	Lity D RA-	nebby 🗀	Vonde -) One Ti	-m.a								
erequency:	س∟ wee		menna 🗂	rearry 🖂	" nue-II	iic								
Quantity:	apx, 30.0	00 gallons												

			er 40CFR 261. d date the Und				No ached hereto	•	
	ic for Toxic N		ble) D004 D010 2 thru D043 (D005	D0	□ D003 (Rea	<u> </u>	I □ poos	€
	or "K" Liste en please lis		ixed with one ble codes:	÷7		es 🗸] No		
40 CFR 261.		·		<u> </u>	"U" or "P" \ No	waste code ui	nder 		
	Waste Code		ON 2348	RECYCLE Flamore	beligu	ud, n.o.	5. (RR-1	UTBE)	
Class:	OT Shipping 3	name: UN/NA:	UN1993 ²³	Company Carlot	N.O.S. (Met	RQ:	etner) 100		
Flash	Point		<u>—————</u>	Reactiv	ve Sulfides	Reactive	Cyanides	50	lids
<50 (N				51% N/~ mg/1		N/A mg/l		0	%
Oil & (Grease	Ť	ос	Zinc		Copper		Nickel	
N/A	<u>mg/l</u>	W.BRL	mg/l	NA BRIL	mg/l	N/BRI	mg/l	MABRE	mg/l
SECTION 4:	Physical and	Chemical Dat	a						

COMPONENTS TABLE	CONCENTRATOIN	UNITS or %	
The waste consists of the following materials	Ranges are acceptable		
Water	30-80	%	
Methyl tert-butyl ether	20-70	%	
	· · · · · · · · · · · · · · · · · · ·		
		 -	
		_	

SECTION 5: Safety Rel		
	waste requires the use of special protective equ	ipment, please explain.
PPE For Flammable ma	iterial / MTBE	
SECTION 6: Attached	Supporting Documents	
	tes, data and/or analysis attached to this form a	is nart of the waste
approval package.		a part of the waste
SECTION 7: Incompati		
Please list ALL incompa	atibilities (if any):	
oxidizer		
SECTION 8: Generator	r's Knowledge Documentation	
	the hazardous waste characteristics, listed below	w, WAS NOT PERFORMED
	ing generator knowledge:	· · · · · · · · · · · · · · · · · · ·
TCLP Metals:	BRL	
TCLP Volatiles:	BRL	
TCLP Semi-Volatiles:	BRL	
Reactivity:	Non-Reactive	
Corrosívity:	Non-Corrosive	
IgnItability:	Ignitable	
CECTURAL OF Marco Description	Conclusion and the second second	
Facilities)	Dr Classincarion Under 40 CPR 437 (Prtaining to Pre	g-Treatment Requirements for Controlized Waste Treatment
	erial a wastewater or wastewater sludge?	☐ YES ☑ NO
	, complete this section.	<u> </u>
DIEACE CIT	SECUTION 4000000000000000000000000000000000000	CATEGORY CO TO THE MOVE OF C
PLEASE CHI	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE C	CATEGORY, 50 TO THE NEXT PAGE.
Metals Subcategory: Su	bpart A	
	troplating baths and/or sludges	
F9	hing rinse water and sludges	
Chromate v	wastes on control blow down water and sludges	
_ `	fizing solutions	
Incineration	n wastewaters	
Waste liqui		
	ntaining wastes greater than 136 mg/l Is and bases with or without metals	
	insing, and surface preparation solutions from electi	troplating or phosphating operations
	leburring wastewater	
Alkaline and	d acid solutions used to clean metal parts or equipm	nent
Olls Subcategory : Subpa	net R	
Used oils	W. B	
🔲 Oil-water e	mulsions or mixtures	
Lubricants		
Coolants	tod groundwinter alone on from a continue or a	
	ted groundwater clean-up from petroleum sources deum products	
Oil spill clea		
Bilge water	•	
L Rinse/wash	waters from petroleum sources	

Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcateagry: Subpart C
Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromlum, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oll and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11; Generator's Certification The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Sam Ly Date: 7/25/08
Printed Name/Title: LANCE WILLS SE ENS Specialist
Ces USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer:



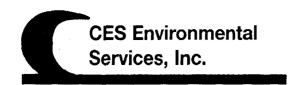
PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
#1.65/gallon w/ \$500 mm. per load \$169/hr trans, wit pus current FS.C.
\$49/hi trans, with pus current FS.C.
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
Suncharges for solids per should delive
,
4. Special Testing Requirements:
Decart all hydrocarbons and manage as light ends.
% water Solids, Alash, metals
18 100 00 , 500,003 , 51,00005
E. Trockwant and Handling Duckson.
5. Treatment and Handling Protocol:
Take water to Newpark
C. T I. W I D' h C. h
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	



Waste Pre-Acceptance/Approval Letter

Date 7/31/2008

Dear Lue Miller

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2907

Expiration Date 7/31/2010

Generator: Calpine Baytown Energy Center

Address: 8605 FM 1405

Baytown, TX 77520

Waste Information

Name of Waste: spent resin beads TCEQ Waste Code #: 00184032

Container Type:

Detailed Description of Process Generating Waste:

from wastewater filtration system

Color: varies

Odor: mild

pH: 8-12.5

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 309 ISWR No: 30900

SECTION 1: Genera	ator Information				
Company :	Calpine Baytown E	nergy Center			
Address :	8605 FM 1405 PO	Box 840			
City, State, Zip :	Baytown TX 77520				
Contact :	Lue Miller			Title :	
Phone No:	(281) 303-4200			Fax:	(281) 303-4299
24 / HR Phone :				_	
U.S EPA I.D No :	TXR000043976				
State I.D :	86845			SIC Code	na
				_	
SECTION 2: Billing	Information				
Company :	Calpine Baytown Er	nergy Center			
Address :	8605 FM 1405 PO	Box 840			
City, State, Zip :	Baytown TX 77520				
Contact :	Lue Miller			Title :	
Phone No :	(281) 303-4200			Fax:	(281) 303-4299
SECTION 3: Genera	al Description of the \	Vaete			
	Spent Res				and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
		Generating Waste:			
1.0m ones.	esons et al alla	2.1011 3731820	`		
Physical State :	Liquid	Sludge	Por	wder	
	✓ Solid	Filter Cak	e 💹 Co	mbination	
Color:		Yavies	Odor :		mild
Specific Gravity (Water=1) :	1 to the	Density:		G-10 ha lbs/gal
Does this material o	contain any total pher	nolic compounds?	Yes	✓ No	,
Does this material o	contain any para subs	tituted phenolic comp	ounds?	Yes	☑ No
s the Waste subjec	t to the benzene was	te operation NESHAP?	(40 CFR Part 61,	Subpart FF)	☐ Yes ☐ No
2812 2813 2	816 2819 2821	2822 2823 2824	2833 2834	2835 28	36 2841 2842 2843 2844 2851
2861 2865 2	869 2873 2874	2876 2879 2891	2892 2893	2896 28	99 2911 3312 4953 4959 9511
Layers :	Single-Phas				
Container Type :	Drum	Tote 💉	Truck	Other (exp	olain)
Container Size :	55 Gal				
Number Of Units	: na				
Is this a USEPA "H	lazardous Waste" pe	er 40 CFR 261.3?	Yes	🔀 No	
If "Yes", then ple	ease complete, sign and	I date the Underlying Ha	zardous Constituer	ts Form attac	ched hereto
If "Yes", is it:	D001 D002	D003			

Characteristic for Toxic N	ietals: D004	D005	D006	D	007			
	D008	D009	D010	D	011			
Characteristics for Toxic	Organics: D012 thru	D043 (please l	list all that a	pply)				
Is this an "F" or "K" Liste	d waste or mixed wit	h one?	Yes	≤ No				
If "Yes", then please	ist ALL applicable cod	les:						
Is this a commercial proc 261.33(e) or (f)?	luct or spill cleanup ti	hat would carr	ry a "U" or "I	P" waste	e code under 40 C	CFR Y	es 🗷 No	
If "Yes", then please	list ALL applicable co	des:						
Texas State Waste Code	No: 001840	32						
Proper U.S. State Waste	Code No :		Non-RC	RA/Non-	-DOT Regulated I	Material		
Class: na	UN/NA :	na 		PG :	na		RQ: n	a
Flash Point	рН	Rea	ctive Sulfid		Reactive Cyan	1	Solids	
>150	8-12.5		0	mg/l	0	mg/l	100	%
Oil and Grease	тос		Zinc		Copper		Nickel	
<u>~ 000</u> mg/l	4000	mg/l	0	mg/l	0	mg/l	0	mg/l
0.505.01.4.51.4.4.0								
SECTION 4: Physical and C			To a service a color					
The material /	COMPONENTS I product consists of	6562135	n materials		X10. YE PROPERTURED THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O	centration are accepta	Un ible or	211497882°1
The material?	Spent resi	n beads	Illaterials		Ranges	100	9	_
	Specie vest	, , , , , ,					•	
SECTION 5: Safety Related	Data							
If the handling of this wa		— e of special pr	rotective eq	uipmen	nt, please explair	ı.		
level D			•	•	,,			
SECTION 6: Attached Supp	orting Documents	-				*		
List all documents, note	s, data, aːɪd/or analy	sis attached t	to this form	as part	t of the waste ap	proval pack	age.	
TCLP analysis , 11 me	tals							
SECTION 7: Incompatibilitie	es	_						
Please list all incompatible NoNE	oilities (if any):							
SECTION 8: Generator's Kn	owledge Documentation	on						
Laboratory analysis of the following generators known		characteristic	s, listed be	low, W	AS NOT PERFOR	RMED based	l upon the	
TCLP Metals :	x							
TCLP Volatilies :	<u>x</u>				•			
TCLP Semi-Volatiles :	×							
Reactivity :	<u>X</u>							•
			2					

Corre	sivity:	$\bar{\mathbf{x}}$		
lgnita	ability :	X		
SECT	ION 9: Waste Receipt (Classification Under 40 CFF	R 437	
ls this	material a wastewate	er or wastewater sludge?	☐ YES	✓ NO
If 'YE	S', complete this sect	ion		
PLEA	SE CHECK THE API	PROPRIATE BOX: IF NO	APPROPRIATE	CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Sub	bpart A		
	Spent electroplating	baths and/or sludges		
	Metal finishing rinse	water and sludges		
	Chromate wastes			
	Air pollution control	blow down water and sluc	lges	
	Spent anodizing solu	utions		
	Incineration wastew	aters		
	Waste liquid mercur	γ		
	Cyanide-containing	wastes greater than 136 r	ng/l	
	Waste acids and ba	ses with or without metals	į.	
	Cleaning, rinsing, ar	nd surface preparation sol	utions from elect	roplating or phospha
	Vibratory deburring	wastewater		
	Alkaline and acid so	lutions used to clean meta	al parts or equipr	ment
011- 6) l 1	harant D		
Oils S	Subcategory: Sub Used oils	bpart B		
	Oil-water emulsions	or mixtures		
	Lubricants	Of Hillatures		
	Coolants			
		ndwater clean-up from pet	roleum sources	
\Box	Used petroleum prod			
	Oil spill clean-up			
	Bilge water			
	Rinse/wash waters f	rom petroleum sources		
	Interceptor wastes			
	Off-specification fuel	ls	· · · · · · · · · · · · · · · · · · ·	
	Underground storage	e remediation wastes		
		petroleum or oily sources		
	Non-contact used gly	•		
	•	tures from parts cleaning	operations	
	Wastewater from oil	bearing paint washes		
Organ	nics Subcategory Su	ihnart C		
Organ	Landfill leachate	ispart 0	,	
	Contaminated groun	dwater clean-up from non	-petroleum sourc	ces
	Solvent-bering waste	es		
	Off-specification orga	anic product		
	Still bottoms			
	Byproduct waste gly	col		
	Wastewater from pai	int washes		
	Wastewater from adl	hesive and/or epoxies for	mulation	

Wastewater from organic chemical product operations

l ank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should	uld be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the poll excess of the values listed below, the waste should be classified in the metals s	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have con or nickel above any of the values listed above, the waste should be classified in	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commerc concentrations. This will be prior to acceptance. The generator will be responsible for	
concentrations. This will be prior to acceptance. The generator will be responsible for SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/o above and attached description is complete and accurate to the best of my knowledge and accurate or willful omissions of composition properties exist and that all knowledge and accurate to the best of my knowledge and accurate or willful omissions of composition properties exist and that all knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best of my knowledge and accurate to the best o	for the cost of the analysis. or 🏿 analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been
SECTION 11: Generator's Certification The information contained herein is based on above and attached description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledged. I certify that the materials tested are representative of all materials Authorized Signature:	for the cost of the analysis. or 🏿 analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/o above and attached description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledge description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties exist and that all knowledge description is composition properties.	for the cost of the analysis. or 🗵 analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been a described by this document.
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SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/o above and attached description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledge and disclosed. I certify that the materials tested are representative of all materials Authorized Signature: Printed Name / Title: Rick Damon / Plant Engineer	or A analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been s described by this document. Date: 2/25/05
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/o above and attached description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledge and disclosed. I certify that the materials tested are representative of all materials Authorized Signature: Printed Name / Title: Rick Damon / Plant Engineer CES USE ONLY (DO NOT WRITE IN THIS SPACE)	or A analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been s described by this document. Date: 2/25/05
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/o above and attached description is complete and accurate to the best of my kn deliberate or willful omissions of composition properties exist and that all knowledge and disclosed. I certify that the materials tested are representative of all materials Authorized Signature: Printed Name / Title: Rick Damon / Plant Engineer CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Prabhakar Thangudu	or A analytical data. I hereby cerity that the nowledge and ability to determine that no lown or suspected hazards have been s described by this document. Date: 2/25/05

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

Calpine - Baytown Energy Center

P.O. Box 840

Baytown, TX 77521

Phone: (281) 303-4216

Fax: (281) 303-4299

Attn:

Rick Damon

- CERTIFICATE OF RESULTS -

MES Lab#:

7090709

Client Sample ID:

Used Resin

Extended ID:

MX20012093

Sample Collect Date: 9/24/2007 @ 3:00:00 PM

Sample Type:

Grab

Sample Receipt Date: 9/26/2007 @ 1:00:00 PM

Test Group / Method

Test Group / Method					
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Antimony	0.032	1	< 0.032	mg/L	9/28/2007 / 5:34 PM
Arsenic	0.014	5	< 0.014	mg/L	9/28/2007 / 5:34 PM
Barium	0.0005	100	0.718	mg/L	9/28/2007 / 5:34 PM
Beryllium	0.0005	0.08	< 0.0005	mg/L	9/28/2007 / 5:34 PM
Cadmium	0.002	1	0.004	mg/L	9/28/2007 / 5:34 PM
Chromium	0.002	5	< 0.002	mg/L	9/28/2007 / 5:34 PM
Lead	0.005	5	< 0.005	mg/L	9/28/2007 / 5:34 PM
Nickel	0.003	70	< 0.003	mg/L	9/28/2007 / 5:34 PM
Selenium	0.024	1	< 0.024	mg/L	9/28/2007 / 5:34 PM
Silver	0.002	5	800.0	mg/L	9/28/2007 / 5:34 PM
TCLP Mercury Method: SW-846 7470A	MDL	_RL _	Result	Units	Analyst: AM Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	9/28/2007 / 4:32 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Friday, October 05, 2007

Date

Report Date: 05-Oct-07 Page 1 of 1 7090709

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.6	2.9
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Nickel	< 0.001	105	106	1.66	< 0.001	104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature: 🛴

Holland D. Gilmore / Laboratory Director

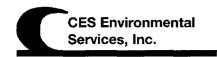
October 5, 2007

COMPANY NAM	E: (BILL TO:)		Enway	(Len)			ME	ES	- C	HAIN (OF CUS	TODY	1-800-771-4ME\$ (281) 476-4534
COMPANY ADI	DRESS: <u>P.O. B</u>	ok 840			·		Mercu	ıry Er	vironme • Deer Park	ental S	Service	S	Fax (281)-476-4406
	ytown p.	sta	TE	ZIP _	<u>7753</u>	<u> </u>			• Deer Park ERS FOR AN		536	/ /	REMARKS
CONTACT PER	JOIN O INTINIE.			cal Tant	400		I = I	/	77	1	7	7 _{&} /	TURNAROUND TIME
CONTACT PER	SON'S PHONE: 287	303-1216	_ FAX #: 🚣				2/		/ /		NUMBER OF CO.	^{TAIN} E	STD
YOUR PROJ	i i			JECT NAME	ľ		3/3	\$ /		/ /	/ / <i>į</i>	8/6	DETECTION LIMITS
PROJECT ADDRES	/1x2 <i>001.</i> ss:	2011 asel	Resin	dispos		— / ¼	V / Z	/ /	/ /	/ /	/ 6	74.47.1	SPECIAL LIMITS REQUIRED
	TLOS FM 140	5 Baytown	. 7X 7	7520		/		/ /	/ /	/ /	CIMBE	PRESERVATIONS	Yes (No) Please circle one, if Yes,
YOUR	SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	TAM	RIX					~ ~	ă l	please describe below or include separate
Useel	A. c.	Grab	9/24/67	15:00		v	Land Section 1						sheet detailing requirements.
	100-11-1		* * * * * * * * * * * * * * * * * * * *										
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PERSON TAKING	SAMPLE SIGNATURE (a Prin	t Name & b Sign.):		General series		RELINQUISHI (Signature)	D BY:		,7mm	DATE 9/20	TIME		EIVED BY: DON AUGMONO
RELINQUISHED BY (Signature) METHOD OF PAYE	· · · · · · · · · · · · · · · · · · ·	DATE TIME	RECEIVED B	WA		RELINQUISHI (Signature)	ED BY:			DATE	TIME	REC	EIVED BY: ature)
		SHIPPED BY: (Signature)	*	CC (Sig	URIER Inature)				RECEIVED FO	OR MES BY	id		DATE TIME
Sample Remaine	ler Disposal					□ I Request	Lab To D	ispose Of	All Sample Re	mainders	-		
☐ Return Sampl	Remainder To Client Via	····				(Signature)					(Date)	

MLOPEZ D Calpine. Com 956-648-9463

Jerrin Burgin

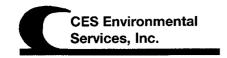
Brian Smith



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

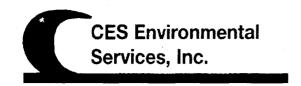
Calpie Risin Druns

I.	Base Pricing (including freight):
	\$35/dm-Class2
l	
2.	Contamination Limits (maximum limit before surcharges apply):
ĺ	None
	None
1	
3.	Surcharge Pricing:
٠.	
	Reject if non-conforming
l	
,	
4.	Special Testing Requirements:
	None
Ī	
5.	Treatment and Handling Protocol:
[Class 2 solids box
	Case 2 source con
Ì	
•	
6.	Treated Wastewater Discharge Subcategory:
г.	
[☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable):
	Na



Waste Pre-Acceptance/Approval Letter

Date 7/31/2008

Dear Lue Miller

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2908

Expiration Date 7/31/2010

Generator: Calpine Baytown Energy Center

Address: 8605 FM 1405

Baytown, TX 77520

Waste Information

Name of Waste: Universal waste flourescent light bulbs

TCEQ Waste Code #: UNIV

Container Type:

4' box

Detailed Description of Process Generating Waste:

spent flourescent light bulbs

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

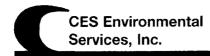
level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

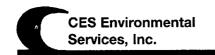
SECTION 1: General	ator Information										
Company :	Calpine Baytow	n Energy C	Center			_					
Address :	8605 FM 1405	PO Box 84	0								
City, State, Zip:	Baytown TX 77	520		-							
Contact :	Lue Miller					Title:					
Phone No :	(281) 303-4200					Fax:	(281)	303-4299			
24 / HR Phone :						_					
U.S EPA I.D No :	TXR000043976	3				_					
State I.D :	86845					SIC Cod	le na				
SECTION 2: Billing	Information										
Company :	Calpine Baytow	n Energy C	enter								
Address :	8605 FM 1405	PO Box 84	0								
City, State, Zip :	Baytown TX 77	520									
Contact :	Lue Miller					Title:					
Phone No :	(281) 303-4200					Fax:	(281)	303-4299			
SECTION 3: Genera	al Description of	the Waste									
Name of Waste :			e floore	scent	light	bulb	5				
Detailed Descript ל א Pen+ ל	tion of the Proc			:							
Physical State :	Tiquid	, , , , , ,	∏ Sludge		Pov	vder					
•	✓ Solid		Filter Ca	ıke	Cor	mbination	1				
Color :			laries	Oc	dor :				none	==	
Specific Gravity (Water=1):		na	De	ensity :			na		Ib	s / gal
Does this material	contain any total	phenolic co	mpounds?		es	✓ No					
Does this material	contain any para	substituted	phenolic com	pounds?		Yes	V 1	No			
Is the Waste subjec	t to the benzene	waste opera	ation NESHAF	?? (40 CFR	Part 61, \$	Subpart F	F)	_ Yes	□ N	lo	
		321 2822 374 2876	2823 282 2879 289		2834 2893			841 2842 911 3312		2844 4959	2851 9511
Layers :	✓ Single-		Multi-P		2073	2070	2033 2	5512	1233	1555	JJ11
Container Type :			Tote 🔲	Truck	×	Other (e	explain)	4'b	ロメセら		
Container Size :	4' box	es									
Number Of Units	: NA										
Is this a USEPA "H If "Yes", then ple	Hazardous Waste ease complete, sig	•			Yes Constituen	☐ No its Form at		ereto			
If "Ves" is it:	D001 🗆 r	0002	D003								

Characteristic for Toxic M	etals:		D007 D011	
Characteristics for Toxic (Organics: D012 thru D043	(please list all that apply)		
Is this an "F" or "K" Listed If "Yes", then please li	l waste or mixed with one st ALL applicable codes:	e? Yes 🗓 No		
Is this a commercial production 261.33(e) or (f)?	uct or spill cleanup that w	ould carry a "U" or "P" was	te code under 40 CFR	Yes 🔀 No
If "Yes", then please I	ist ALL applicable codes:			
Texas State Waste Code	No: UNIV			
Proper U.S. State Waste	Code No : Environ	mentallyhazard	ous substances, s	iolid, no.s.
Class:	UN/NA: UN3	077 PG:	ill	RQ: na
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
na	na 	0 mg/l	0 mg/l	100 %
Oil and Grease	тос	Zinc	Copper	Nickel
0 mg/l	0 mg/l	0 mg/l	0 mg/l	0 mg/l
SECTION 4: Physical and Cr	nemical Data			
	COMPONENTS TABL		Concentration	Units
The material /	product consists of the t	ollowing materials	Ranges are accep	table or %
SECTION 5: Safety Related [If the handling of this was		pecial protective equipme	nt, please explain.	
SECTION 6: Attached Suppo				
	, data, and/or analysis a	ttached to this form as pa	rt of the waste approval pac	ckage.
NONE				
SECTION 7: Incompatibilities	S			
Please list all incompatib NoいE	ilities (if any):			
SECTION 8: Generator's Kno	wledge Documentation			
Laboratory analysis of the following generators kno		acteristics, listed below, V	/AS NOT PERFORMED base	ed upon the
TCLP Metals :	<u>X</u>			
TCLP Volatilies :	<u>X</u>			
TCLP Semi-Volatiles :	<u>X</u>			
Reactivity :	X	2		

Corro	sivity: \underline{x}
Ignita	bility: <u>x</u>
SECTI	ON 0. Wests Bessint Classification Under 40 CER 427
	ON 9: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge?
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matals	s <u>Subcategory:</u> Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	ics Subcategory Subpart C
_	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

Wastewater from organic chemical product operations

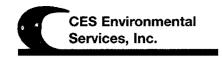
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
☐ Metals Subcatego
☐ Oils Subcatego
☐ Organics Subcategory
SECTION 10: Additional Instruction
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on \square generator knowledge and/or \boxtimes analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Rilal Dans Date: 7/23/08
Printed Name / Title: Rick Damon / Plant Engineer
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Process Facility Information:
Compliance Officer: Prabhakar Thangudu
Date: 7-31-08 Status: (Approved) Rejected
Approval Number: 2908



Calpie light Bulbs

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

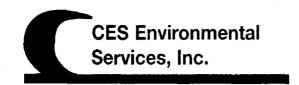
1.	Base Pricing (including freight):
	\$1.10/foot- Each bulb is 4-6 foot
L	
•	
2.	Contamination Limits (maximum limit before surcharges apply):
	None
L	
3.	Surcharge Pricing:
Γ.	
	Reject if non-conforming
1	
ĺ	
4.	Special Testing Requirements:
Г	None
	None
ĺ	
5.	Treatment and Handling Protocol:
	Record the total number received and put with universal wastes
	·
ĺ	
1	
,	Thursday I XXV and a market District and Control of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
6.	Treated Wastewater Discharge Subcategory:
	_
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
8.	
8.	Management for Product Recovered/Recycled (if applicable); Na
8.	
8.	
8.	

2909 Extersan



Waste Pre-Acceptance/Approval Letter

Date 8/4/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile #

2909

Expiration Date 8/4/2010

Generator: Exterran

Address:

9553 Old Baston Saratoga Rd

Sour Lake, TX 77659

Waste Information

Name of Waste: Used oil and rainwater

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used engine oil

Color: back

Odor: oil

pH: 6-10

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

RB

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

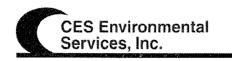
http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1; Genera	stor Information	•	
Company:	Exterran		
Address:	9553 Old Batson Saratoga Rd		
City, State, Zip:	Sour Lake, Texas 77659		
Contact:	Elizabeth M. R. Ygnacio	Title:	PM
Phone No:	281-836-7560	Fax No:	281-836-8560
24/hr Phone:	281-836-7560		
U.S. EPA I.D. No:	. CESO		
State I.D.	TREESIG	SIC Code:	NA
Company: Address: City, State, Zip: Contact: Phone No:	Information - Same as Abo CKG SERVICES 10707 Honea Egy Casa Montanyaery 7th MC Uttus Hoto 736-453-3665	ァナ フダーフラン(C Title: 122モミ) (C	¥507 7510~1≥>10
- 9	al Description of the Waste		
Name of Waste: Was	constant Rain Water of Process Generating Waste: 4	Used Vaste engine oil	A Comment
Physical State:	□ Liquid □ Sludge	Powder	
	☐ Solid ☐ Filter	Cake 🔲 Combinatio	on
•		- a ĝ	
Color: Black	Odor: none	77	
Specific Gravity (wat	ter=1): <u><1</u> Dens	ity: <u>\$</u> lbs/gal	
Does this material co	ntain any total phenolic compou	nds? 🗌 Yes 🛮 🖾 No	
Does this material co	ntain any para substituted phen	olic compounds? 🔲 Yes 🔝	⊠ No
Layers:	☐ Single-phase ☐ ☐	Julti-phase	•
Container Type:	□ Tote	☐ Truck	Other (explain)
Container Size:	<u>55 gal</u>		
Frequency:	☐ Weekly ☐ Mont	hly 🔲 Quarterly	Yearly
Number of Units (cor		• • •	V
Texas State Waste Co		c = 10	
	NUNKE	6 COCYCLA	1512
Proper U.S. DOT Shi	NUNKE	G Calable Co	1SLE Water

Flash Point >200	pH 6-10	Reactive Sulfides Omg/l	Reacti Omg/l	ve Cyanides	Solic Q-10		
Oil&Grease 90-100mg/) ⁰ /2			Copper Qmg/l	r Nickel			
75	_1_ <u>y</u> g.\	Tailby			Omb.		
SECTION 4: Phys	ical and Chemic	al Data		_			
The		ENTS TABLE [the following materials			entration e acceptable	Units or %	
Waste Oil	Bed pil	Ette tomoving materials		90-100	- acceptance	- " /" 	
Rain Water				0-10			
					· · · · · · · · · · · · · · · · · · ·		
						-	
erationa, e e							
SECTION 5: Safet If the handling of the		s the use of special protect	tive equipment,	picase expla	ią.		
SECTION 6: Attac	ched Supporting	Documents					
List all documents. <u>NA</u>	notes, data, and	or analysis attached to the	is form as part o	f the waste	approval pack	age.	
SECTION 7: Incol	npatibilities						
Please list all incom); (**);					
SECTION 8: Gene	rator's Knowled	ige Documentation					
Laboratory analysi generator knowleds		us waste characteristics, lu	sted below, WAS	NOT PER	FORMED ba	ed apon the follo	win
rCLP Metals: rCLP Yolatiles: rCLP Semi-Yolatil Reactivity: Corrosivity: igultability:	NA NA NA NA NA NA						
C.vierninel.							
SECTION 9: Gene	rator's Certifica	<u>tion</u>					
SECTION 9: Gene The information con mached description omissions of compo-	tained herein is b is complete and sition properties	tion ased on generator know accurate to the best of m exist and that all known or be described by this docume	y knowledge and suspected hazare	ability to discussions and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	letermine that disclosed. I	no deliberate or certify that the ma	will
SECTION 9: Gene The information con mached description unissions of compo- asted are represental	tained herein is be is complete and sition properties cive of all material	ased on \(\sum_{\text{generator}} \) generator know accurate to the best of mexist and that all known or is described by this docume:	y knowledge and suspected hazare	ability to discussions and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	letermine that	no deliberate or certify that the ma	willi
ECTION 9: Gene The information con mached description unissions of compo- asted are represental Authorized Signatu	tained herein is be is complete and sition properties tive of all material re:	ased on \(\times \) generator know accurate to the best of my exist and that all known or like described by this document.	y knowledge and suspected hazare	ability to dis have been	letermine that disclosed. I	no deliberate or certify that the ma	willi
SECTION 9: Gene The information con mached description omissions of compo-	tained herein is be is complete and sition properties drive of all material re: Rob To	eased on egenerator known accurate to the best of my exist and that all known or by described by this document. Make Divis:	y knowledge and auspected hazard m.	ability to dis have been	letermine that disclosed. I	no deliberate or certify that the ma	willi
SECTION 9: Gene The information con mached description omissions of compo- acted are represented Authorized Signatu Printed Name/Title: ES USE ONLY (DO No	tained herein is be is complete and sition properties of time of all material re: Rob Ja OT WRITE IN THIS	eased on segmentator known accurate to the best of my exist and that all known or list described by this document when the Divis:	y knowledge and auspected hazard m.	ability to dis have been	letermine that disclosed. I	no deliberate or certify that the ma	willi
ECTION 9: Gene The information con mached description missions of compo- acted are represental Authorized Signatu Printed Name/Title:	tained herein is be is complete and sition properties of time of all material re: Rob Ja OT WRITE IN THIS	eased on segmentator known accurate to the best of mexist and that all known or is described by this docume. Analo Divis:	y knowledge and auspected hazard m.	ability to dis have been	letermine that disclosed. I	no deliberate or certify that the ma	willi

2



☐ Subcategory A

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

2. Contamination Limit (maximum limit before surchages apply): - Fails Chlor-d-tect - Reject - Lido Fiash 3. Surcharge Pricing: Very High Tot 4. Special Testing Requirements: Tot, pH, % solids, phenols, on the with phase Chlor-d-text on oil phase Flash Peint on oil phase 5. Treatment and Handling Protocoli: Oily Worker in Hydrocarban process faccility	1. Base Pricing (including freight):
- First Chlor-d-tect - Reject - Lido Flash 3. Surcharge Pricing: Very High TOC 4. Special Testing Requirements: TOC, pH, 90 schools, phenols, on the water phene Chlor-d-tect on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily Wester in Hydrocarban process faccility	\$ 50 ldm
- First Chlor-d-tect - Reject - Lido Flash 3. Surcharge Pricing: Very High TOC 4. Special Testing Requirements: TOC, pH, 90 schools, phenols, on the water phene Chlor-d-tect on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily Wester in Hydrocarban process faccility	
- First Chlor-d-tect - Reject - Lido Flash 3. Surcharge Pricing: Very High TOC 4. Special Testing Requirements: TOC, pH, 90 schools, phenols, on the water phene Chlor-d-tect on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily Wester in Hydrocarban process faccility	
3. Surcharge Pricing: Very High TOC 4. Special Testing Requirements: TOC, pH, 90 Schols, phenols not the water phenology on oil phase Chlor-d-text on oil phase Flash Point on hydrocarban process facility	2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing: Very High TOC 4. Special Testing Requirements: TOC, pH, % schools, phenols for the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water phenological form the water	- Fails Chlor-d-tect - Reject
4. Special Testing Requirements: To C, pH, % solids, phenols, on the water phene Chlor-d-text on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily water is Hydrocarbon process facility	- LIZO Flash
4. Special Testing Requirements: To C, pH, % solids, phenols, on the water phene Chlor-d-text on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily water is Hydrocarbon process facility	
4. Special Testing Requirements: To C, pH, % solids, phenols, on the water phene Chlor-d-text on oil phase Flash Point on oil phase 5. Treatment and Handling Protocol: Oily water is Hydrocarbon process facility	3. Surcharge Pricing:
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	4 Special Testing Requirements:
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	To C pH, % solids, phenols on the water phone
5. Treatment and Handling Protocol: Oily water is Hydrocarban process facility	Chlor-d-tect on oil phase
oily water is Hydrocarban process facility	Flash Point
oily water is Hydrocarban process facility	L
6. Treated Westewater Discharge Subsetagenu	only water is Hydrocarbon process facility
6. Treated Westewater Discharge Subcategory	
6. Treated Westernator Discharge Subcatagony	
b. Treated wastewater Discharge Subcategory:	6. Treated Wastewater Discharge Subcategory:

▼ Subcategory B □ Subcategory C → B



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):
Sturdard used 0:1 ress
8. Management for Product Recovered/Recycled (if applicable)
used oil after oil's recovered



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date

8/4/2008

Dear

Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile #

2910

Expiration Date 8/4/2010

Generator: Exterran

Address:

9553 Old Baston Saratoga Rd

Sour Lake, TX 77659

Waste Information

Name of Waste: Oil filters

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used oil filters

Color: black

Odor: none

pH: 6-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

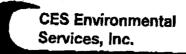
If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

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4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information					
Company:	Exterran					
Address:	9553 Old Batson Sa					
City, State, Zip:	Sour Lake, Texas 7		~			
Contact:	Elizabeth M. R. Ygi	nacio	Title:	PM		
Phone No:	281-836-7560	Na	_ Fax No:	281-836-8	3560	
24/hr Phone:	<u>_281-836-7560</u>		_			
U.S. EPA I.D. No:	CESO		- .			
State I.D.	TX LESON		SIC Code:	NA		
SECTION 2: Billing	Information ~	me as Above				
Company:	UKG SERVI	The Late				
Address:		ed Faunt				
City, State, Zip:	LORIENCE TX	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	ontacina	1 V V		
Contact:	7.A	Title:	PRESID	PEUT		
Phone No:	726- 482-26	Fax No:	9210-	75le-12	r)-la	
			-	_ 		
SECTION 3: General	al Description of the	Waste				
Name of Waste: Qil Detailed Description		ng Waste: <u>Used Oil filters</u>	a e a ele n		· · · · · · · · · · · · · · · · · · ·	
Physical State:	☐ Liquíd ⊠ Solid	☐ Sludge ☐ ☐ Filter Cake ☐	Powder Combinatio	n		
	23 50114	X IIIO		-		
Color: Black	O	dor: <u>none</u>				
Specific Gravity (was	ter=1): <u>NA</u>	Density: <u>NA</u> lbs/ga	I			
Does this material co	ntain any total phen	olic compounds? 🔲 Yes	⊠ No			
Does this material co	ntain any para subst	ituted phenolic compoun	ds? 🗌 Yes 🕻	⊠ No		
Layers:	Single-phase	Multi-phase				
Container Type:	□ Drum	☐ Tote ☐] Truck		Other (explain)	
Container Size:	<u>55 gal</u>					
_	,		1 0	⊡	V Iv.	
Frequency:	☐ Weekly	Monthly [Quarterly	\boxtimes	Yearly	
Number of Units (co	ntainers): 1	Other:				
Texas State Waste C	ode No:/\	NN-REG REI	HULAPA	8		
Proper U.S. DOT Sh		3. 0-1.	1 =1.105	1 [1	1.05	
•	• • •	- Kecyclas	she Di	1 [-1	RQ:	
Class:	UN/NA	lê	PG:		~~· _	

Flash Point	рH	Reactive Sulfides		tive Cyanides	Solic	ls	
>200	6-10	Omg/l	Omg/		0-10	7- 100-C	15-60
Oil&Grease	TOC Omg/l	Zinc	Copper	į.	vickel '	- (
30-100 mg/1-7	Omg/l	Qmg/l	0mg/1)mg/l	<u> </u>	نـــــــــــــــــــــــــــــــــــــ
SECTION 4: Ph	vsical and Chemi	cal Data					
	COMPO	NENTS TABLE		Concer		Units	
	e waste consists	of the following materials		Ranges are	acceptable	or %	
Oil Filters				95-100			
Maste Oil US	id oil			0-5			
						4	
	···						
		······································				 	
		ومانية والمراود ومناه والمراود ومناهم والمراود ومناهم والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود والمراود وال					
	•						
ECTION 5: Saf	cty Related Data						
f the handling of	this waste reoui	res the use of special protectiv	ve equipment	, please explain	.		
SXV		• •					
21 0		- The assessment					
SECTION 6: AR	ached Supportin	a nochinguiz					
	s, notes, data, an	d/or analysis attached to this	form as part	of the waste at	provat bace	nge.	
ĀV							
ECTION 7: Inc	omantibilities						
Please list all inco		envi:					
NA	inhammine (v.	ANY /*					
					ر. انجاد ماران انجاد	y 44 % A	
		edge Documentation					
T abordony snah	veic of the haver	lous waste characteristics, list	ted below, W.	as not pert	ORMED ba	sed upon the	following
generator knowle	edge:						
TCLP Metals:	<u>NA</u>						
TCLP Volutiles:	NA Matiles: <u>NA</u>						
Reactivity:	NA NA		•				
Corrosivity:	NA						
Ignitability:	NA						
OF CHARMAN O. C.	maratorie Carell	ication					
SECTION 9: G			dedes and/or	analytical de	na. I hereby	certify that th	e above a
The information	contained herein i	is based on 🔯 generator know and accurate to the best of my	y knowledge	and ability to	determine tha	n no delibera	te or will
amirrians of con	งกระเทิดท ทาดทศให้	es exist and that all known or	SINGIPLE ME	zards have been	disclosed.	centify that	ne materi
tested are represe	ntative of all mate	ELISTS described by this norming	71 AR-				
	Res	l Janel		Date	7-31-6	8	•
Authorized Sign		- 1000 (00			المستقي		
Printed Name/T	itle: Rub	Janak Divi	sion M	ANAGER			
	O NOT WRITE IN						
Champlings Com	cer. <u>Re-l-l-e</u>	Aza A					
į.		f 7,					
Date: 8-4-6	98/	Approved Rejected					
	1111						
1	291	2)					
Approval Numb	er:	<u> </u>	į				



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

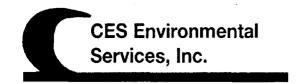
1. Base Pricing (including freight):
\$36/dr
2. Contamination Limit (maximum limit before surchages apply):
N/A - Be sure fits profile
3. Surcharge Pricing:
N/A
4. Special Testing Requirements:
NA
5. Treatment and Handling Protocol:
Used oil Filters, send to recycler
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C ✓



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recy	cled (if applicable):	
NA		
8. Management for Product Recover	ed/Recycled (if applicable)	
N/A-		

2918 Flow-TEK



Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Greg Patterson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2918

Expiration Date 7/28/2010

Generator: Flow-Tek

Address: 11850 Tanner Rd

Houston, TX 77041

Waste Information

Name of Waste: used oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

used oil from forklifts and equipment

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.





4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mater	ial Producer Informat	<u>io</u> n			
Company:	Flow Tek				
Address:	11850 Tanner Rd				-
City, State, Zip:	Houston, TX 77041				
Contact:	Greg Patterson		Title:	Managem	
Phone No:	832-912-2300		Fax No:	832-912-2	2300
24/hr Phone:	832-812-2300				
U.S. EPA I.D. No:	NA				
State I.D.	NA		SIC Code:		
SECTION 2: Billing Company: Address: City, State, Zip:	z Information – 🛛 San	ne as Above			
		Title:			
Contact:			· · ·		
Phone No:		Fax No:			
SECTION 3: Gener	al Description of the M	<u> Material / Product</u>			
Name of Material / I Detailed Description	· · · · · · · · · · · · · · · · · · ·	g or Producing the Materi	al / Product:]	Used oil fro	m forklifts and equipment
Physical State:	□ Liquid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid □ Solid	☐ Sludge ☐ ☐ Filter Cake ☐	Powder Combination	n	
Color: Varies	Ode	or: None			•
Specific Gravity (wa	ter=1): <u>.78</u>	Density: 7.5 lbs/gal			
Does this material co	ontain any total phenol	lic compounds? Yes	⊠ No		
Does this material co	ontain any para substit	tuted phenolic compounds	? 🗌 Yes 🛛	☑ No	
Layers:	☐ Single-phase	Multi-phase			
Container Type:	⊠ Drum	☐ Tote ☐	Truck		Other (explain)
Container Size:	<u>55</u>	<u></u>			
Frequency:	☐ Weekly	☐ Monthly ⊠	Quarterly	г	Yearly
		· ·	Qualterly	لسيا	z culty
Number of Units (co	ntainers): 1	Other:			
Proper U.S. DOT Shipping Name: Recyclable Used Oil					
Class: Na	UN/NA:		PG: Na		RQ: Na
Ciass. Iva	UII/IIA:	1 Na	IG. Na		Ny. Na

Flash Point	рH	N/A	N/A	Solids
<u>>200</u>	<u>Na</u>			<u>0</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
<u>>150</u> mg/l	<u>Na</u> mg/I	<u>Na</u> mg/l	<u>Na</u> mg/l	<u>Na</u> mg/i

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Used Hydrolic Oils	100	%
		_

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. Generator Knowledge

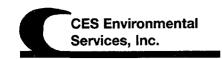
SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Material Producer's Certification

omissions of composition properties exist and that all known or su tested are representative of all materials described by this document.	
Authorized Signature:	Date: 7-28-06
Printed Name/Title: No Signature Required	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Poble Thang A Date: 1-28-08 Approved Rejected	
Date: 1-28-08 Approved Rejected	
Approval Number: 2918	

The information contained herein is based on \square generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful

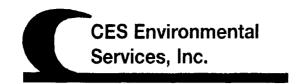


l.	Base Pricing (including freight):
	\$40/dm
•	
2.	Contamination Limits (maximum limit before surcharges apply):
	Fails Chlor-D-Tect
3.	Surcharge Pricing:
	None
	None
4.	Special Testing Requirements:
	Chlor-d-Tect
	Used Oil Tests to make sure it fits with what we have. Base or Black
5.	Treatment and Handling Protocol:
э.	
	Used Oil
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



/•	Tests for Product Recovered/Recycled (II applicable):
	See 4
8.	Management for Product Recovered/Recycled (if applicable);
8.	
8.	Management for Product Recovered/Recycled (if applicable): Used Oil
8.	
8.	
8.	
8.	

2919 Wilson



Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2919

Expiration Date 7/28/2010

Generator: Wilson

Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Unused solvent -xylene/ethyl benzene

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Unused product

Color: clear

Odor: solvent like

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

- cannot be an emplsion
- must not be water soluble
- density must in the 490
Pho



CES Environmental Services, Inc.

GB

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information Wilson Company: 1302 Conti Address: Houston, TX 77002 City, State, Zip: Contact: Jesse Lopez Title: HSE Mgr. Phone No: 713-237-3700 Fax No: 713-237-3422 24/hr Phone: CES-713-417-5737 TXD981913817 U.S. EPA I.D. No: State I.D. 74212 SIC Code: SECTION 2: Billing Information - Same as Above Company: Address: City, State, Zip: Title: Contact: Fax No: Phone No: SECTION 3: General Description of the Waste Name of Waste: Unused Solvent-Xylene/Ethyl Benzene Detailed Description of Process Generating Waste: Unused product □ Powder Physical State: ∐iquid ☐ Sludge ☐ Solid Filter Cake Combination Odor: solvent like Color: clear Specific Gravity (water=1): .85 Density: 8 lbs/gal Single-phase Multi-phase Layers: Other (explain) Container Type: Drum Tote Truck Container Size: <u>55 gal</u> Weekly Monthly Quarterly Frequency: NA-Product Texas State Waste Code No: Flammable liquids, n.o.s., 3, UN1993, PG-II Proper U.S. DOT Shipping Name: UN1993 PG: RO: 100 UN/NA: Class: 3 Reactive Sulfides Reactive Cyanides Solids Flash Point pΗ NA <u>0</u>mg/1 0% <140 0mg/l

Copper

0 mg/l

Zinc

0mg/l

TOC

>1500mg/I

Oil&Grease

<1500mg/l

Nickel

0mg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Xylene	40-60	%
Ethyl Benzene	40-60	%
		and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None-Gary Brauckman inspected the drums

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	Х
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

Reactivity: X Corrosivity: X Ignitability: X
SECTION 9: Generator's Certification
The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above are attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willformissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material tested are representative of all materials described by this document.
Authorized Signature: Date: 01/14/08
Authorized Signature: Date: 07/14/08 Printed Name/Title: Type R Garaci BDD facility HSE Specialist
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Political Additional Information:
Date: 7-28-08 Approved Rejected
Approval Number: 2919

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	'Yes', complete this section.
PI	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	unics Subcategory; Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1. Dase Fricing (including freight):
\$50/ drum Trans \$70/hr +FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
Run the density. This material must not be an emulsion. This material must not be wath soluble. The density must be in the .85 range.
The density must be in the . 85 range.
5. Treatment and Handling Protocol:
Cutter Stock or Use in tankwash
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory Δ ☐ Subcategory Β ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
	·
8. Management for Product Recovered/Recycled (if applicable)	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2920

Expiration Date 7/28/2010

Generator: Wilson **Address:** 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: oil filters TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

spent oil filters from equipment fluid changes

Color: various

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

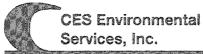
Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Mast conform to the profile





4904 Griggs Road Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Genera	itor Information			
Company:	Wilson			
Address:	1302 Conti			
City, State, Zip:	Houston, TX 7700)2		
Contact:	Jesse Lopez		Title:	HSE Mgr.
Phone No:	713-237-3700		Fax No:	713-237-3422
24/hr Phone:	CES-713-417-573	7		
U.S. EPA I.D. No:	TXD981913817			
State I.D.	74212		SIC Code:	
SECTION 2: Billing Company: Address:	Information – 🔀 S	Same as Above		
City, State, Zip:		201		
Contact:	***************************************	Title:		
Phone No:	Watte for the first the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same o	Fax No	•	
SECTION 3: Genera	al Description of the	e Waste		
Name of Waste: Oil Detailed Description		ing Waste: spent oil filt	ers from equipment	fluid changes
Physical State:	☐ Liquid	☐ Sludge	Powder	
2 227 02002 0 00000	Solid	Filter Cake	Combination	33
	23 30m	La site Cane		•
Color: Various	(Odor: oil like		
Specific Gravity (wat	er=1): 12 ve	Density: 9 lbs/gat	nh	
Layers:	Single-phase	☐ Multi-phas	e	
Container Type:	⊠ Drum	☐ Tote	☐ Truck	Other (explain)
Container Size:	55 g			
	secund deliver the deliver the delivery that the			
Frequency:	☐ Weekly	☐ Monthly	Quarterly	▼ Yearly
Texas State Waste Co	ode No: N	A-Recyclable Material		
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Non	-DOT Regulated Ma	nterial
Class: NA	UN/N	A: NA	PG: NA	RQ: NA
Flash Point	рН	Reactive Sulfides	Reactive C	
<u>>140</u>	<u>neutral</u>	<u>O</u> mg/I	<u>O</u> mg/l	95-100%
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	Omg/l	0mg/I	Omg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units
Oil, transmission and gasoline filters	90-95	%
Rags	5-10	%
		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Approval Number:

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>		
TCLP Volatiles:	X X X X X X X		
TCLP Semi-Volatiles:	X V		
Reactivity: Corrosivity:	<u>A</u> Y		
Ignitability:	<u>X</u>		
SECTION 9: Generato	r's Certification		
attached description is c omissions of composition tested are representative of	omplete and accurate to the best of my	 knowledge and abi suspected hazards ha nt. 	ytical data. I hereby certify that the above an elity to determine that no deliberate or willfully been disclosed. I certify that the material Date: 1/14/08 HSE Specialist
CES USE ONLY (DO NOT W	1	8 1 3'4' 1 T C	
Compliance Officer:	bulley -	Additional Inform	ation:
Date: <u>7-28-08</u>	(Approved Rejected		

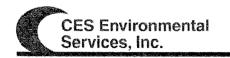
SE	CCTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge? YES NO
If	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	uls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils .	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	mics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		aste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess alues listed below, the waste should be classified in the metals subcategory.
	Chromin Copper:	m: 0.2 mg/L um: 8.9 mg/L 4.9 mg/L 37.5 mg/L
(3)		aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or bove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

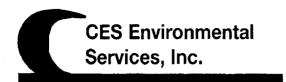


1. Base Pricing (including freight):
\$35/drum Trans \$70/hr + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
Materials in the drung must conform to the profile composition.
5. Treatment and Handling Protocol:
to oil filter recycler
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recove	ered/Recycled (if app	licable):	
,			
8. Management for Produc	t Recovered/Recycle	d (if applicable)	

2921 Wilson 2 8 4-09 8 4-09 V RM



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/28/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2921

Expiration Date 7/28/2010

Generator: Wilson
Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Oily rags and pads and booms

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Rags, pads and booms used to clean and contain motor oil spills

Color: various

Odor: oil like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Wo Free Lognids



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information			
Company:	Wilson			
Address:	1302 Conti		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
City, State, Zip:	Houston, TX 770	002		
Contact:	Jesse Lopez	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Title:	HSE Mgr.
Phone No:	713-237-3700		Fax No:	713-237-3422
24/hr Phone:	CES-713-417-573	37	The control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	
U.S. EPA I.D. No:	TXD981913817		and the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control of the second control	
State I.D.	74212		SIC Code:	
SECTION 2: Billin Company:	g Information – 🔀	Same as Above		
Address:				
City, State, Zip:		Title:		
Contact:		·····		
Phone No:		Fax N	0:	
SECTION 3: General	ral Description of th	ne Waste		
Name of Waste: Oi Detailed Description			and booms used to c	lean and contain motor oil spills
Physical State:	☐ Liquid ⊠ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combinatio	n
Color: Various		Odor: oil like		
Specific Gravity (wa	ater=1): <u>12</u> nC	Density: 9 lbs/gal	ne	
Layers:	Single-phase	Multi-pha	se	
Cantain an Turna	⊠ Drum	□ Tote	☐ Truck	Other (explain)
Container Type:	_	LJ IVIE	LJ HUCK	Other (explain)
Container Size:	<u>55 g</u>	Name of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the Association of the A	Works William Co.	
Frequency:	☐ Weekly	Monthly	Quarterly	Yearly
Texas State Waste (Code No: N	A-Recyclable Material		
Proper U.S. DOT SI	nipping Name:	Non-RCRA; No	n-DOT Regulated Ma	aterial
Class: NA	UNI	ŇA: NA	PG: NA	RQ: NA
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids
<u>>140</u>	<u>neutral</u>	0mg/l	0mg/l	95-100%
Oil&Grease	TOC	Zine	Copper	Nickel
>1500mg/I	>1500mg/l	Omg/I	Omo/I	Ome/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Oily Rags	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

TCLP Metals: TCLP Volatiles:

Printed Name/Title:

Approval Number:

Please list all incompatibilities (if any): oxidizers

SECTION 8: Generator's Knowledge Documentation

tested are representative of all materials described by this document.

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Semi-Volatiles:	<u>X</u>		
Reactivity:	<u>X</u>		
Corrosivity:	X		
Ignitability:	X		
SECTION 9: Generate	r's Certification		

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfu omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material

Resulty HSE Specialist Authorized Signature: <

CES USE ONLY (DO NOT WRITE IN THIS SPACE) Additional Information: Approved Rejected

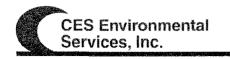
<u>s</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	s this material a wastewater or wastewater sludge? YES NO
lí	'Yes', complete this section.
p	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Mei	tals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Org</u>	anics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		aste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess alues listed below, the waste should be classified in the metals subcategory.
	Chromit Copper:	m: 0.2 mg/L um: 8.9 mg/L 4.9 mg/L 37.5 mg/L
(3)		aste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or bove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

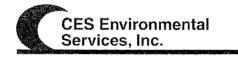
SECTION 11: Additional Instructions

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1. Base Pricing (including freight):
\$65/drum Trans \$70/hr + fsc
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements: Thue can be no feeliguids.
There can be no feeliguids.
5. Treatment and Handling Protocol:
Send to recycler
6. Treated Wastewater Discharge Subcategory:
□ Subcategory A □ Subcategory B □ Subcategory C



7. Tests fo	or Product Recovered/Recycl	ed (if applicable):	
-			
8. Manage	ement for Product Recovered	d/Recycled (if applicable)	
Blackoil			

2886 Figji Film Manufacturing USA

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Material / Product Approval Letter

Date 7/15/2008

Dear Timothy Hylla

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2886

Expiration Date 7/15/2010

Producer: Fuji Film Manufacturing USA

211 Pockett Ferry Rd Address:

Greenwood, SC 29649

Material / Product Information

Name of Material / Product Methanol product

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Odor: Organic/alochol

pH: 4-10

Manufcturing of phtographic dyes - line flushing with methanol

Physical State:

Incompatibilities: oxidizers

Color: Yellowish to green

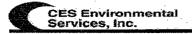
Safety Related Data/Special Handling:

std for flammable materials

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ industrial Solid Waste Permit Number: 30948

SECTION 1: Generator Information
Company: FUTIFILM MANUFACTURING V.S.A. INC.
Address: 2/1 Prokett FETTY ROKD
City: GREENWOOD State: SC Zip: 29649
Contact: Billie Simpson Title: ENURONMENTAL ENGINEER
Phone Number: 864-123-2888 Fax Number: 864-943-4650
24/hr Phone Number: 5 CD 9875 71551
US EPA ID No:
State ID No: SIC Code: 2795
SECTION 2: Billing Information - Same as Above Company: EMA, INC. Address: 10627 MIDINEST TVD Blud. City: St. Louis State: Mo Zip: 3/32 Contact: TIM Hulla Title: V. P. Phone Number: 3/4-7/85-64/25 Fax Number: 3/4-7/85-64/26
SECTION 3: General Description of the Waste
Name of Waste: Methanol PRODuct
Detailed Description of Process Generating Waste:
MFg of photo graphic Dies - Live Flushing with
Medhana
Physical State: Liquid Sludge Powder Combination
color: yellow to greenish odor: organic allahal
Specific Gravity (water=1): Density: U. [6] bs/gal
Does this material contain any total phenolic compounds?
Does this material contain any para substituted phenolic compounds?
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:
2812 2813 2816 2819 2821 2822 2823 2824 2833 2834
2835 2836 2841 2842 2843 2844 2851 2861 2865 2869
2873 2874 2876 2879 2891 2892 2893 2896 2899 2911
3312 4953 4959 9511
Layers: Single-phase Multi-phase
Container Type: Drum Tote Truck Dther (explain)
Frequency: Weekly Monthly Pearly One-Time Quantity: 6,500 - 12,000

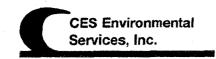
Is this a USEPA "Hazardous Waste" per 40CFR 261.3? If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto								
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)								
	ed waste or mixed with one ist ALL applicable codes:	?	Yes		No		· 	
40 CFR 261.33(e) or (f)?	duct or spill cleanup that w		"U" or "P" wa	ste code und	ler			
Texas State Waste Code		Pro	rol					
Proper US DOT Shipping Class: 3.67	UN/NA: VN 1230	PG:	<u> </u>	RQ:	5010		··································	
Flash Point	рН	Reacti	ve Sulfides	Reactive	Cyanides	Sol	ids	
2140	4 to 10	O	mg/l	0	mg/l	42	%	
Oil & Grease	TOC		Zinc	Сор	per	Nic	kel	
O mg/l	O mg/l	,		(2	mg/l	0	mg/l	
		·						
SECTION 4: Physical and						· .		
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SECTION	15: S	afety Relat	<u>ed Data</u>				•			
If the ha	ndlin	g of this wa	ste requires th	ne use of spo	ecial protect	ive equipr	nent, please	explain.		
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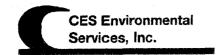
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Corrosivi	•		>						****	
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SECTION	9: W:	aste Receint	Classification L	Inder 40 CFR	437 (Prtainin	ng to Pre-Ta	eatment Rec	uirements fo	or Centralize	d Waste Treatment
Facilities)					1,7,7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	. <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				
	•	this materia	al a wastewater	or wastewa	ter sludge?			YES	✓ NO	
		if 'Yes', c	omplete this se	ction.					<i></i>	
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		LEASE CHEC	K THE APPROPI	KIATE BOX. 1:	- NO APPROF	'KIAI E CAI	EGUKY, GU I	U THE NEXT	PAGE.	
Metals Su	ıbcate	egory : Subp	art A							
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	Tanana .	sed oils								
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		il spill clean-								•
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	Interceptor wastes		•			
	Off-specification fuels					
	Underground storage remediation waste	•	*			
	Tank clean-out from petroleum or oily sour	ces		•		
	Non-contact used glycols					
	Aqueous and oil mixtures from parts cleanii Wastewater from oil bearing paint washes	ng operations				
	wastewater noin on pearing paint wasnes					
Organic	s Subcategory : Subpart C	•				
	Landfill leachate					
•	Contaminated groundwater clean-up from	non-petroleum	sources			
	Solvent-bearing wastes					
	Off-specification organic product					
	Still bottoms Byproduct waste glycol					
	Wastewater from paint washes					
	Wastewater from adhesives and/or epoxies	formulation				
•	Wastewater from organic chemical product					
· · ·	Tank clean-out from organic, non-petroleur					
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	If the waste contains oil and grease at or in	excess of 100 n	ng/L, the waste shoul	d be classified in th	e oils subcatego	ery.
(2)						
	If the waste contains oil and grease less tha	n 100 mg/L, an	d has any of the pollu	itants listed below	in concentration	ıs in
	excess of the values listed below, the waste	should be clas	sified in the metals su	ubcategory.		
	Cadmium: 0.2 mg/L					
	Chromium: 8.9 mg/L		•			
	Copper: 4.9 mg/L		•			
	Nickel: 37.5 mg/L					
	Moken 37.5 mg/ E					
(3)	•					
	If the waste contains oil and grease less tha	n 100 mg/L, an	d does not have conc	entrations of cadm	ium, chromium,	copper,
	or nickel above any of the values listed above	ve, the waste sl	ould be classified in	the organics subcar	tegory.	
:	Metals Subcategory					
	Oils Subcategory					
• •	Organics Subcategory				•	
SECTION	10 Additional Instructions					
•				:		
	nnot determine the correct subcategory in Section	-				
	Nickel, and Oil and Grease, CES will send offsite to			to determine these	concentrations	. This
wiii.pe bi	rior to acceptance. The generator will be respons	sible for the cos	t of the analysis.			
SECTION	111: Generator's Certification			12		
		£	nowledge and/or	analytical	ما مشم	
				7	Jala.	
	certify that the above and attached descript					
	vledge and ability to determine that no delib					
	es exist and that all known or suspected haza			that the		
material	s tested are representative of all materials de	Scribed by th	s document.		. 1	1
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CES USE	ONLY (DO NOT WRITE IN THIS SPACE)		/			
1	0 0	1				
Complia	nce Officer: Vallenil Ing	- the -				
Date:	7-15-08 Approved	☐ Re	jected			
Approva	Number: 2886					
					*.	•
						



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

ı.	Base Pricing (including freight):
	Pay 30% of METHANEX index price (less than 1% solido, light color)
	1/0 2000, estilo vara 20% methanex index (or dark
	If 2-3% solido pay 20% methanex index (or dark in color).
2.	Contamination Limits (maximum limit before surcharges apply):
	Must be at least 70% methanol by Specific gravity and CRC table concentration. No more than 3% solids.
3.	
	Pay price depends on color and solido (see base pricing above)
,	
4.	Special resting Requirements:
	Record S.J., % methanol (by CRC table), % solids on inbound (old report
	IN THOUSER 1020 1 E part
5.	Treatment and Handling Protocol:
	product
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

_			

8. Management for Product Recovered/Recycled (if applicable);

Resell as is. Do Not DISTILL. Must be resold as product as is. Notify product sales of Speco of load.



CES ENVIRONMENTAL SERVICES USA Inc. – UHC FORM

UNDERLYING HAZARDOUS CONSTITUENTS

Date:	7/18/08
Generator: Address:	FUT: Film MANUFacturing 211 Puckett Ferry ROAD GREENWOOD SC 29649
Profile No.	· · · · · · · · · · · · · · · · · · ·
concentration limit	represented by the above <u>Profile Number</u> is below all of the s as indicated on table 268.48 (attached), with the exception of the code and the Sulfide (D003 characteristic code, sulfide) which
Certifying Represe	ntative:
	a. Print Name b. Signature c. Company d. Title

All of a, b, c, d must be completed.

MSDS Number: M2015 * * * * * * Effective Date: 08/10/04 * * * * * Supercedes: 11/12/01

MSDS

Material Safety Data Sheet

Prom: Mellinckrodt Beker, Inc. 222 Red School Lane
Phillipsburg, NJ 08885



Hour Emergency Felephone: 908-659-2151 CHEMTREC: 1-806-424-6300

CHEM1H2G: 1-886-424-6505

National Response in Canada CARUTEC: 813-956-6666

Dureide U.S. and Canada Chambrac: 703-527-5997

SOTE: CHEMITEC. CANUTEC and has me! Plaspense Center emergency numbers to be used only in the event of chemical emergencies involving a spoil leak, life, exposure or accelerainvolving observation.

All non-emergency questions should be directed to Oustomer Service (1-800-682-2537) for assistance.

METHYL ALCOHOL

1. Product Identification

Synonyms: Wood alcohol; methanol; carbinol

CAS No.: 67-56-1

Molecular Weight: 32.04 Chemical Formula: CH3OH

Product Codes:

J.T. Baker: 5217, 5370, 5794, 5811, 5842, 5869, 9049, 9063, 9065, 9066, 9067, 9069, 9070, 9071, 9073, 9075, 9076, 9077, 9091, 9093, 9096, 9097, 9098, 9263, 9822, 9830, V654 Mallinckrodt: 3004, 3006, 3016, 3017, 3018, 3024, 3041, 3701, 4295, 5160, 8814, H080,

H488, H603, H985, V079, V571

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Methyl Alcohol	67-56-1	100%	Yes

3. Hazards Identification

http://www.jtbaker.com/msds/englishhtml/M2015.htm

Emergency Overview

POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER.

SAF-T-DATA^(1m) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Poison)

Flammability Rating: 3 - Severe (Flammable)

Reactivity Rating: 1 - Slight Contact Rating: 3 - Severe (Life)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD;

PROPER GLOVES; CLASS B EXTINGUISHER

Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:

A slight irritant to the mucous membranes. Toxic effects exerted upon nervous system, particularly the optic nerve. Once absorbed into the body, it is very slowly eliminated. Symptoms of overexposure may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, coma, and death. A person may get better but then worse again up to 30 hours later.

Ingestion:

Toxic, Symptoms parallel inhalation. Can intoxicate and cause blindness. Usual fatal dose: 100-125 milliliters.

Skin Contact:

Methyl alcohol is a defatting agent and may cause skin to become dry and cracked. Skin absorption can occur; symptoms may parallel inhalation exposure.

Eye Contact:

Irritant. Continued exposure may cause eye lesions.

Chronic Exposure:

Marked impairment of vision has been reported. Repeated or prolonged exposure may cause skin irritation.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration, If breathing is difficult, give

http://www.jtbaker.com/msds/englishhtml/M2015.htm

oxygen. Get medical attention immediately.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Flash point: 12C (54F) CC

Autoignition temperature: 464C (867F) Flammable limits in air % by volume:

lel: 6.0; uel: 36

Flammable Liquid and Vapor!

Explosion:

Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames. Sensitive to static discharge.

Fire Extinguishing Media:

Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective.)

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.

6. Accidental Release Measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

http://www.jtbaker.com/msds/englishhtml/M2015.htm

J. T. Baker SOLUSORB® solvent adsorbent is recommended for spills of this product.

7. Handling and Storage

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

For Methyl Alcohol:

- OSHA Permissible Exposure Limit (PEL):

200 ppm (TWA)

- ACGIH Threshold Limit Value (TLV):

200 ppm (TWA), 250 ppm (STEL) skin

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details. Use explosion-proof equipment.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Breathing air quality must meet the requirements of the OSHA respiratory protection standard (29CFR1910.134). This substance has poor warning properties. Skin Protection:

Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

http://www.jtbaker.com/msds/englishhtml/M2015.htm

9. Physical and Chemical Properties

Appearance: Clear, colorless liquid. Odor: Characteristic odor. Solubility: Miscible in water. Specific Gravity: 0.8 pH: No information found. % Volatiles by volume @ 21C (70F): **Boiling Point:** 64.5C (147F) **Melting Point:** -98C (-144F) Vapor Density (Air=1): Vapor Pressure (mm Hg): 97 @ 20C (68F) Evaporation Rate (BuAc=1):

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

May form carbon dioxide, carbon monoxide, and formaldehyde when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong oxidizing agents such as nitrates, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber, and coatings. May react with metallic aluminum and generate hydrogen gas.

Conditions to Avoid:

Heat, flames, ignition sources and incompatibles.

11. Toxicological Information

Methyl Alcohol (Methanol) Oral rat LD50: 5628 mg/kg; inhalation rat LC50: 64000

http://www.jtbaker.com/msds/englishhtml/M2015.htm

ppm/4H; skin rabbit LD50: 15800 mg/kg; Irritation data-standard Draize test: skin, rabbit: 20mg/24 hr. Moderate; eye, rabbit: 100 mg/24 hr. Moderate. Investigated as a mutagen, reproductive effector.

Cancer Lists\			
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category

Methyl Alcohol (67-56-1)	No	No	None

12. Ecological Information

Environmental Fate:

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material is expected to readily biodegrade. When released into the air, this material is expected to exist in the aerosol phase with a short half-life. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into the air, this material is expected to be readily removed from the atmosphere by wet deposition.

Environmental Toxicity:

This material is expected to be slightly toxic to aquatic life.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: METHANOL

Hazard Class: 3 UN/NA: UN1230 Packing Group: II

Information reported for product/size: 358LB

http://www.jtbaker.com/msds/englishhtml/M2015.htm

International (Water, I.M.O.)

Proper Shipping Name: METHANOL

Hazard Class: 3, 6.1 UN/NA: UN1230 Packing Group: II

Information reported for product/size: 358LB

15. Regulatory Information

Chemical Inventory Status - Part Ingredient		TSCA	EC	Japan	Australia
Methyl Alcohol (67-56-1)					Yes
	2\			anada	
Ingredient		Korea			Phil.
Methyl Alcohol (67-56-1)		Yes		No	
\Federal, State & International Re Ingredient	-SARA RQ	302- TPQ	Li.	SAR st Che	A 313 mical Catg.
Methyl Alcohol (67-56-1)				\$	
\Federal, State & International Re Ingredient	-		-RCRA	2\ T 3 8	SCA-
The start film that the control liter with well they were seen as some seen seen seen seen seen with the plan with the plan that the start who will can show the plan table plan they seen your seen seen seen seen seen seen seen see			_~~		AND web 76s. Mills.
Methyl Alcohol (67-56-1)	5000		0124	N	Φ.

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactivity: No (Pure / Liquid)

Australian Hazchem Code: 2PE

Poison Schedule: S6

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 3 Reactivity: 0

http://www.jtbaker.com/msds/englishhtml/M2015.htm

Label Hazard Warning:

POISON! DANGER! VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CANNOT BE MADE NONPOISONOUS. FLAMMABLE LIQUID AND VAPOR. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS CENTRAL NERVOUS SYSTEM AND LIVER.

Label Precantions:

Avoid breathing vapor.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

Keep container closed.

Use only with adequate ventilation.

Keep away from heat, sparks and flame.

Label First Aid:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. In all cases get medical attention immediately.

Product Use:

Laboratory Reagent.

Revision Information:

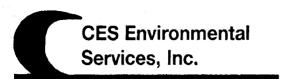
No Changes.

Disclaimer:

Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose, MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.)

http://www.jtbaker.com/msds/englishhtml/M2015.htm



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/15/2008

Dear Leslie Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2887

Expiration Date 7/15/2010

Generator: Proler Southwest **Address:** 90 Hirsch Rd

Houston, TX 77052

Waste Information

Name of Waste: Used oil filters TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used oil filters from trucks

Color: dark brown

Odor: hydrocarbon

pH: 6-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900



	Generator In		<u>on</u>								
Company:	Proler South	west	 .								
Address:	90 Hirsch Ro										
City:	Houston				State:	TX	Zip:			77052	
Contact:	Leslie Smith					Title:					
Phone Num	ber:	713-671	-2900			Fax Number	: 713-671	-9292			
24/hr Phon	e Number:					-	_				
US EPA ID N	o:	na				-					
State ID No		na				SIC Code:	na	_			
		-				-					
SECTION 2:	Billing Inforn	nation -	Sai	me as A	bove						
Company:	Proler South	west									
Address:	PO Box 5302	28			_			_			
City:	Houston				State:	TX	Zip:			77052	
Contact:						Title:					
Phone Num	her:				_	Fax Number		_			
Thome Itali	JCI.					- Tax Hamber	`				
SECTION 3.	General Des	crintian a	of the Wast	•							
<u>JECHON J.</u>	General Des	ption (or tile wast	5							
Name of Wa	acto:	Used oil	filtors								
				Vasta	_	used all filts	ro frama turi				
Detailed De	scription of P	rocess G	enerating v	vaste:		used oil filte	is from truc	CKS			
					_			_			
	. 🗀			_							
Physical Sta		Liquid		_	Sludge		Powder				
	1	Solid		L.l	Filter Cake		Combina	ation			
						_					
Color:	dark brown					Odor:	hydrocar	rbon			
Specific Gra	vity (water=1	L):	na			-	Density:	na	lbs/{	gal	
						_	_	_			
Does this m	aterial conta	in any to	tal phenolic	compo	unds?	∐ Ye	s _	⊻ No			
Does this m	aterial conta	in any pa	ıra substitu	ted phe	nolic comp	ounds?		Yes	✓ No		
Is the Waste	subject to tl	ne benze	ne waste o _l	peration	NESHAP?	(40 CFR Part	61, Subpar	t FF)		Yes	No
Answer "Ye:	s" if your was	te contai	ns benzene	AND if t	he SIC cod	e from your f	acility is one	e of the i	following:		
2812	2813		2816	2819	2821	282	282	23	2824	2833	2834
2835	2836		2841	2842	2843	284	4 285	51	2861	2865	2869
2873	2874		2876	2879	2891	289	289	93	2896	2899	2911
3312	4953		4959	9511							
Layers:	✓ Sing	le-phase		Multi-	phase						
,			_	************							
Container T	vne: 🔽	Drum	☐ Tote		Truck 🗀	Other (expla	in)				
-5	160.	-10111				Carer (capit	,				
Frequency	☐ Weekly	✓ Mo	nthiv 🗆 V	early	One-Ti	me					
cquency.	- weekiy	IAIOI	L	carry		1116					
Quantity:	6										

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? If "Yes", then please fill out the UHC Form										
If "Yes", Is it: Characteristic f		D001 (Ignitabl I etals:	e)	D002 (Corr D005	osive) D006	D003 (Reactive)	08 🗌 D009			
Characteristic f	for Toxic O	rganics: D012	thru D043 (p	lease list al	l that apply)					
Is this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes:										
Is this a comme 40 CFR 261.33(If "Yes", then	(e) or (f)?	uct or spill clea	Ye		No	ste code under				
Texas State Wa	aste Code l	Number:		recycle						
Proper US DOT	Shipping I	Name:	Non-RCRA N	Ion-regulate	ed material (re	cyclable oil filters)				
Class: na		UN/NA:	na	PG:	na	RQ: na				
Flash Po	oint	рН		Reacti	ve Sulfides	Reactive Cyanide	s Soli	ds		
>200		6-9)	0	mg/l	0 mg/l	100	%		
Oil & Gre	ease	TO			Zinc	Copper	Nic			
>1500	mg/l	na	ma/l							
		110	mg/l	na	mg/l	na mg/l	na	mg/l		
SECTION 4: Phy		Chemical Data		na ————————————————————————————————————	mg/i		na			
SECTION 4: Phy	COM	Chemical Data	LE			CONCENTRATOIN		UNITS		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow	LE			CONCENTRATOIN Ranges are acceptab		UNITS or %		
SECTION 4: Phy	COM	Chemical Data	LE			CONCENTRATOIN		UNITS		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10		UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10		UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10		UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
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SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		
SECTION 4: Phy	COM	Chemical Data IPONENTS TAB sts of the follow motor oil	LE			CONCENTRATOIN Ranges are acceptab 1-10	le	UNITS or % %		

JUL-01-2008 15:08

Approval Number:

CES ENVIROMENTAL

SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. **SECTION 6: Attached Supporting Documents** List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none SECTION 7: Incompatibilities Please list ALL incompatibilities (If any): oxidizers SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge: TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Generator's Certification The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative fall materials described by this document. Authorized Signature: Printed Name/Title: CES USE DNLY (DO NOT WRITE IN THIS SPACE Compliance Officer: Date:

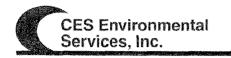
SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A

Metals Subcatego	ory: Subpart A
☐ Spe	nt electroplating baths and/or sludges
∐ Me	tal finishing rinse water and sludges
Chr	omate wastes
Air	pollution control blow down water and sludges
☐ Spe	nt anodizing solutions
☐ Inci	neration wastewaters
☐ Wa:	ste liquid mercury
🔲 Суа	nide-containing wastes greater than 136 mg/l
☐ Wa	ste acids and bases with or without metals
Clea	aning, rinsing, and surface preparation solutions from electroplating or phosphating operations
☐ Vib	ratory deburring wastewater
Alka	aline and acid solutions used to clean metal parts or equipment
Oils Subcategory	: Subpart B
	d oils
Oil-	water emulsions or mixtures
Lub	ricants
Coc	lants
=	taminated groundwater clean-up from petroleum sources
-	d petroleum products
∐ Oil∶	spill clean-up
Bilg	e water
☐ Rins	se/wash waters from petroleum sources
<u></u> Int∈	erceptor wastes
∐ Off-	specification fuels
Und	derground storage remediation waste
🖳 Tan	k clean-out from petroleum or oily sources
_	n-contact used glycols
	leous and oil mixtures from parts cleaning operations
∐ Wa	stewater from oil bearing paint washes
Organics Subcate	
=	dfill leachate
=	staminated groundwater clean-up from non-petroleum sources
_	vent-bearing wastes
=	specification organic product
=	bottoms
	roduct waste glycol
	stewater from paint washes
	stewater from adhesives and/or epoxies formulation
=	stewater from organic chemical product operations
∐ Tan	k clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Oils Subcategory
	Organics Subcategory

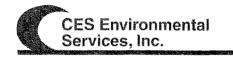
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$20/drum
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
not tests are required other than making sure contents meet profile
5. Treatment and Handling Protocol:
process to Atlantic industrial, MAST process to a recycler.
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
	·
8. Management for Product Recovered/Recycled (if applicable)	

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/15/2008

Dear Brandon White

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2888

Expiration Date 7/15/2010

Generator: BW Services

Address: 1100 Wayne Drive

Angleton, TX 77515

Waste Information

Name of Waste: Unused Alcupol F-5511

TCEQ Waste Code #: 00062191

Container Type:

Detailed Description of Process Generating Waste:

Unused product cleaned from rail cars from a railcar washout facility

Color: colorless

Odor: odorless pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES ENVIROMENTAL

7137400664 Need MS DS



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Weste Permit No: 30948 U.\$. EPA ID No: TXD008950461 ISWR No: 30900

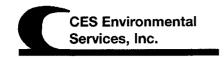
SECTION 1: Mater	ial Producer In	formation					
Company:	BW Services						
Address:	1100 Wayne	Drive					
City, State, Zip:	Angelton, TX	77515					
Contact:	Brandon Dou			T	itle;		
Phone No:	979-848-880	7			ax No:	979-848-9	990
24/hr Phone:	281-734-847						
U.S. EPA I.D. No:	TYDARC	467906	<u> </u>				
State L.D.	30207			s	IC Code:		
SECTION 2: Billin	Information	⊠ Some s	s A hous				
Company:	E THE PLANT OF THE	Same	S ADOYE				
Address:							
City, State, Zip:							
Contact:			Title:				
Phone No:			Fax N				
Luone Mo:			Fax N	o: <u> </u>			
SECTION 3: Gener	al Description	of the Mate	rial / Product				
A	THE WATER STREET	AN ADDRESS.					
Name of Material /	Product: Unus	d Alcupol F	-5511				
				Interial	/ Product:	Unused proc	luct cleaned from railcars from a
rail car wash out faci			- 10	A	, 2100		
tall on Alfall one ritor							
Physical State:	🛛 Liquid		Sludge		Powder		
Z Mysterit Olizati		· <u>-</u> _	_			_	
	Solid Solid	لسا	Filter Cake	ا ليا	Combinatio	n.	
Color: Colorless		Odor: (Odourless				
Specific Gravity (w	ater=1): 1 <u>.019</u>	De	nsity: 8-9 lbs/gal				
Specific Gravity (w	ater=1): <u>1.019</u>	De	nsity: <u>8-9</u> lb s/gal				
Specific Gravity (we Does this material c	, ——			_	⊠ No		
Does this material c	ontain any tota	l phenol ic c	ompounds?	Yes 🏻		⊠ No	
Does this material c	ontain any tota ontain any par	d phenolic c	ompounds? d phenolic comp	Yes 🛭		⊠ No	
Does this material c	ontain any tota	d phenolic c	ompounds?	Yes 🛭		⊠ No	
Does this material of Does this material of Layers:	ontain any tota ontain any par	l phenolic c a substituted hase	ompounds? d phenolic comp Multi-pha	Yes 🛭	☐ Yes 【	⊠ №	Other (explain)
Does this material of Does this material of Layers: Container Type:	ontain any tots ontain any par Single-p	l phenolic c a substituted hase	ompounds? d phenolic comp	Yes 🛭		⊠ № □	Other (explain)
Does this material of Does this material of Layers:	ontain any tota ontain any par	l phenolic c a substituted hase	ompounds? d phenolic comp Multi-pha	Yes 🛭	☐ Yes 【	⊠ № □	Other (explain)
Does this material of Does this material of Layers: Container Type:	ontain any tots ontain any par Single-p	l phenolic c a substituted hase	ompounds? d phenolic comp Multi-pha	Yes 🛭	☐ Yes 【	⊠ № □	Other (explain)
Does this material of Does this material of Layers: Container Type: Container Size:	ontain any tota ontain any par Single-p Drum 55 ga	al phenolic con substituted thase	ompounds? d phenolic comp Multi-pha Tote	Yes Dounds?	☐ Yes ☐		
Does this material of Layers: Container Type: Container Size: Frequency:	ontain any tots ontain any par Single-p Drum 55 ga	l phenolic con substituted hase	ompounds? d phenolic comp Multl-pha Tote Monthly	Yes 🛭	☐ Yes 【		Other (explain) Yearly
Does this material of Does this material of Layers: Container Type: Container Size:	ontain any tots ontain any par Single-p Drum 55 ga	l phenolic con substituted hase	ompounds? d phenolic comp Multi-pha Tote	Yes Dounds?	☐ Yes ☐		
Does this material of Layers: Container Type: Container Size: Frequency:	ontain any tots ontain any par Single-p Drum 55 ga	l phenolic con substituted hase	ompounds? d phenolic comp Multi-pha Tote Monthly Other:	Yes Dounds?	☐ Yes ☐		
Does this material of Layers: Container Type: Container Size: Frequency: Number of Units (c	ontain any tota ontain any par Single-p Drum 55 ga Week ontainers): 1-3	l phenolic con substituted hase	ompounds? d phenolic comp Multi-pha Tote Monthly Other:	Yes Dounds?	☐ Yes ☐ Truck ——— Quarterly		
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PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$75/dm
j	
2.	Contamination Limits (maximum limit before surcharges apply):
	Na
3.	Surcharge Pricing:
	None, reject if not applicable to profile.
4.	Special Testing Requirements:
	Na
5.	Treatment and Handling Protocol:
	Put in Class 1 solids box with other solids to absorb (IE absorbent, dirt, etc.)
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

/.	<u>lests for Product Recovered/Recycled (if applicable):</u>
	Na
8.	Management for Product Recovered/Recycled (if applicable):
	Na

MATERIAL SAFETY DATA SHEET

(According to Dir. 93/112/EC)

ALCUPOL F-5511 (for flexible foam)

	PRODUCTID	UNTURKCASI	ION -			
Company: REPSOL QUÍMICA S.A.	Commercial name: ALCUPOL F-5511 (for flexible foam) Chemical name: Polyol ether.					
Address: P° de la Castellana, 280 28046 MADRID	Synonyms:					
Tel. # 91 348 80 00 Fax # 91 348 94 94	Molecular f	Molecular formula: NP CAS # 9082-00-2				
Emergency telephone: Puertelleun: 320 41 95 ng Lastin to Racional de Foniccionis Emergency telephone: 31 562 04 20	EC (EINEC	S)# NP	Annex I (Dir. 67/548/EEC) # NP			
		OSTITION				
General composition: Polyol ether stabi	Range % Classification					
NF	RS					
	SPHA ZALUDI	NEHTGAR	(a)N: = 4 Alexandria			
PHYSICAL, CHEMICAL	TOXICITY/SYMPTOMS					
The product may burn in fire.	Inhalation: NP					
	Ingestion/espiration: The product may cause gastrointestinal disorders.					
	Contact stimleres: Contact with skin may cause irritation. In contact with eyes we provide these right transfeat pain and irritation similar to that caused by a raild scoop.					
	General texic effects: The product is slightly irritent to eyes and skin.					

ALCUPOL: -55: (Ar flexible feam)

Date: 18th January 2004

Doc.: 40/7073/6Q.21

4 EIRSTEATH

Inhalation: NP

Ingestion/aspiration: If the product is swallowed and the affected person is conscious, have affected person drink water or milk. Call for medical attention.

Contact skin and eyes: In case of contact with the product, wash skin area with plenty of hot water and soap. In contact with eyes, hold eyelids open and immediately flush with plenty of water for at least 15 minutes.

General measures: Call for medical attention.

S FIRE-FIGHTING MEASURES

Extinguishing agents: Dry chemicals, CO2 and water spray.

Non suitable extinguishing agents: Water applied directly may disperse the material.

Cent atten probability, H20; CO (in defect of air).

Special recasures. NP

Special bazards: The product does not ignite easily; however it burns in fire.

Protective equipment: Heat-resistant suit and gloves. Self-contained breathing apparatus because heavy fumes are produced.

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Precontines for the covironment: Keep the product away floor ariths, revens and water sources, reased of physical fouling in case of accidental releases.

Personal precautions: Keep unnecessary people away. Avoid prolonged contact with liquid product wearing suitable protective clothing.

Cleanup methods:

Intell trallages Take up with dry sand or other non-contourisble adsorbent material and place into containers for later disposal.

Lange willinger Dike for about of liquid spillage and souther and a spillage at the container for liter

Personal protection: Wear suitable protective clothing, gloves, and safety goggles or face-shield.

ALC: 10 ... with ... (for dexible four)

364.5 1.2

Date: 16th January 2004

Doc.: 40/7073/6Q.21

HANDING AND STORAGE

Handling:

General precautions: Wear protective clothing to avoid prolonged contact with the product. Do not smoke, drink, or eat during handling Good personal hygiene procedures must be observed. Do not handle damaged containers unless wearing appropriate protective equipment to avoid direct contact.

Specific conditions: In operations filling or handling containers use appropriate impervious suits, gloves, shoes and safety goggles or face-shield to prevent splashes. During transfer avoid contact with air, use pumps and connections properly earthed to prevent generation of electrostatic charges.

cisco: consult technical information.

द्रभुक्ति व्यक्ति ।

Temperature and decomposition products: The product is stable at normal storage conditions.

Dicagarana i - rentamen bita

Storage conditions: It must be stored in steel or polyethylene containers, properly labelled and sealed, placed in cool, well ventilated areas. Protect containers against the inclemencies of the weather. The product is Lygroscopic therefore it must be kept away from moisture.

Incompatible materials: Oxident compounds.

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Fersonal protection:

Respiratory protection: NP

Eve protection: Safety goggles or face-shield to avoid contact with splashes.

Skin protection: Gloves and appropriate protective

Other protective equipment: Showers and eye-washers in working area.

reserved these plans. And we will speed comes, with the product.

Specific hygiene measures: Care should be taken to ensure proper skin cleaning by washing thoroughly with soap and hot water, totlowed by the application of a skin re-conditioning cream. Do not use solvent-based skin cleaner.

Exposure controls:

ALCUPUL F-5511 (for florable foam)

20V. 19

Date: 16th January 2004

Doc.: 40/7073/6Q.21

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	ND CHEMICAL PROPERCIES
Appearances Liquid	pH:
Colour: Colourless	Odour: Odourless
Boiling range: NP	Melting point:
Fash point: 246 °C (ASTM D92-56)	Autoignition temperature:
and the Aniel Control	Oxididas monercies: IP
Vapour pressure:	Density: 1.019 g/cm³ at 25° C
Vapour density:	Octanol/Water partition coefficient:
Surface tension:	Critical temperature:
Water solubility: Insoluble.	Solubility: Alcohols, ethers, ketones, aromati hydrocarbons and halogenated solvents.
t iscosuy: 400 op at 25 °C Average molecular weight: 3000	Hydrated a Labora 15 mg KOH/g Fire point: 268 °C (ASTM D92-56) Cloud point: 40 °C

E TOUS TANDING	Zadaręwenia z postalia z postalia z postalia z postalia z postalia z postalia z postalia z postalia z postalia
Stability: Stabie under normal conditions.	Conditions to avoid: High temperatures and moisture.
i litro i granti Pritana somocanda	
Proposition a description to the cost NP	
Polymerization risk: NP	Conditions to avoid: NP

ALCUPOL F-5511 (for flexible foam) Rev.: 1.2

Date: 16th January 2004

Doc.: 40/7073/6Q.21

Routes of exposure: Contact with skin and eyes. Ingestion is easy to prevent and not frequent.

Acute and chronic effects: The product is slightly irritant to eyes and skin. LD₅₀ > 10 g/Kg (oral-rat); LD₅₀: 5-30 g/Kg (skin-rabbit).

Carcinogenicity: NP

Medical conditions which increase hazard to exposure: Demastological problems.

Pollutant potential:

Persistence and degradability: There is no data available concerning the persistence and degradability of the grain to see the status.

phenility/bioaccumulative potentiat: There is no data available on the bioaccumulation for the product. According to the molecular structure accumulation of the product in living organisms is not expected.

Hostr Andre Wall officer. No data avaitable on the economicological effects. Physical hazards are the major ecological

Disposal methods (surplus): Recycling and recovery the product if possible.

Wester Industrial processes or other uses.

real formated meningtion

nunciong: Laberten and scaled containers. Minimize contact with the product.

Constrainty providens: Companies which recover, dispose, store, transport or handle waste should comply with Dir. 91. 156/EEC on waste or other local, national or community provisions.

LCUPOL F-5511 (101 DEADES- Com) | 1 101 5 10 JULIETY 2001 | Doc.: 40/7073/6Q.21 Rev. L.

12 TRANSPORTANEORMATION

Special precautions: Transport in properly sealed and labelled containers.

Additional information:

ADR/RID: NP

UN number: NP

IATA-DGR: NP

Hazard identification number: NP

IMDG: NP

IS RECULATORY INFORMATION

CLASSIFICATION

LABELLING

NP

Symbols: NP Phrases R: NP

Phrases S: NP

Other regulations: The product is listed in TSCA Chemical Inventory (EPA).

ALCUPOL F-5511 (for flexible foam)

Rev.: 1.2

Date: 16th January 2004

Doc.: 40/7073/6Q.21

6. OTHER INFORMATION

Data bases consulted:

EINECS: European Inventory of Existing Commercial Substances.

HSDB: US National Library of Medicine RTECS: US Dept. of Health & Human Services.

Legislation consulted:

Dir. 67/548/EEC of dangerous substances (including amendments and adaptations in force).

Dir, 1999/45/EC of dangerous preparations (including amendments and adaptations in force).

Dir. 91/689/EEC dangerous waste; Dir. 91/156/EEC waste management.

Royal Decree 363/95: Regulation about notification of new substances and classification, packaging

and labelling of dangerous substances.

Reyal Decree 255/2003: Regulation (Lout plansification, packaging and labelling of dangerous preparations.

European Agreement concerning the international carriage of dangerous goods by road (ADR).

Regulation on the international transport of dangerous goods on the railway. (RID)

international maritime code of dangerous goods. (IMDG)

International Air Transport Association (IATA) regulation pertaining to air shipment.

GLUSSANY:

CAS: Chemical Abstract Service

IARC: International Agency for Research on Cancer

TLV: Threshold Limit Value

TWA: Time Weighted Average STEL. Short-Term Expessure Level

REL. Recommendable Exposure Lack

무료스: Pennissible Exposure Limit

VLA: Valor Límite Ambiental

LD₅₀: Lethal Dose Medium

LC₅₀: Lethal Concentration Medium

EC₅₀: Effective Concentration Medium

IC₅₀: Inhibitory Concentration Medium

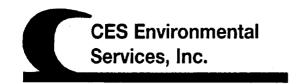
BOD: Biological Oxygen Demand

NP: Not Pertinent

: Changes from the last revision.

The information given in this document has been compiled based on the best existing information sources, latest available knowledge and according to the current requirements on classification, packaging and labelling of hazardous substances. It does not imply the information is exhaustive or accurate in all cases. It is the user's responsibility to determine the military of the information contained in this Material Safety Data Sheet to apply depending on the case.

2889 Fanouk Systems



Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Casey Dippel

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2889

Expiration Date 7/22/2010

Generator: Farouk Systems **Address:** 250 Pennbright

Houston, TX 77090

Waste Information

Name of Waste: Off-spec RCD 7108 TCEQ Waste Code #: CESQ1191

Container Type:

6 gallon

Detailed Description of Process Generating Waste:

Unused offspec RCD 7108

Color: red

Odor: none

pH: 5-9

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

Waste Lode T

SECTION 1: Mater	ial Producer Inform	ation_					
Company:	Farouk Systems						
Address:	250 Pennbright						
City, State, Zip:		1090					
Contact:	Casey Dippel			Title:	HSE Man		
Phone No:	281-876 - 2000			Fax No:	281-874-3	020	
24/hr Phone:							
U.S. EPA I.D. No:							
State I.D.				SIC Code:			
SECTION 2: Billing	g Information – 🗵 S	ame as Above					
Company:	22104 ((1)						
Address:		· · · · · · · · · · · · · · · · · · ·		•		······································	
City, State, Zip:					~~~		
Contact:		7	itle:				
Phone No:			ax No:			· · · · · · · · · · · · · · · · · · ·	
			_				
SECTION 3: Gener	al Description of the	Material / Produ	<u>uct</u>		-		
Name of Material / I	Product: Off spec RC	212 7108	41 37.4	1 (T) In A	11	DOY 5100	
Detailed Description	of Process Generati	ng or Producing	the Materi	al / Product:	Unused, our	spec KCD-/108	
	K*21	C	\Box	Powder			
Physical State:	∠ Liquid	☐ Sludge	느	, , , , , , , , ,			
	Solid Solid	Filter Cake	· Li	Combinatio	n		
	_						
Color: Red	C	dor: <u>None</u>					
On a Consider Cons	. 1 1 1 (1	Density: <u>8.3-9</u>	ihe/gal				
Specific Gravity (wa	iter—1): <u>1-1.1</u>	Density, <u>0,7-7</u>	TOS POI				
Does this material co	ontain any total phen	olic compounds?	Yes 🗌 Yes	⊠ No			
	4 *	Handad wit cooling		ו משערון כ	⊠ No		
Does this material co	ontain any para subs	ntatea phenone (combonnas	, [] 162 F	△ 140		
Layers:	Single-phase	Multi	i-phase				
	-	-		M	I ⊠1	O4h (1/2 1/2	
Container Type:	Drum 🗌	☐ Tote	U	Truck	\boxtimes	Other (explain)	
Container Size:						<u>6-gallon</u>	
YII	☐ Weekly	☐ Monthly	· 🗵	Quarterly	—	Yearly	
Frequency:	_	Other:	K**	4 a=1 10113	<u> </u>		
Number of Units (co	ntainers): 14		101				
		CESQI	14.]				
Proper U.S. DOT SI	ipping Name:	Non-RCRA	, Non DOT	Regulated W	aste Liquids		 _
Class; Na	UN/NA	: Na		PG: No	3	RQ:	
C1893; 179	01010					🗸	

1

>200	Щq	N/A	N/A	Solida	3
	5-9			0%_	
Oil&Grease	TOC	Zinc Namg/l	Copper Name/I	Nickel	
Namg/I	Namg/I	Name/1	1 Manta	Namg/I	
SECTION 4: Phy	vsical and Chemics	al Data			
	COMPON			Consorting (O)	T Units
The mate	erial / product con	sists of the following mate	rials Ra	nges are acceptable	or %
RCD-7108			100		%
					1
					
				* * * * * * * * * * * * * * * * * * *	
					
			·		
					
If the handling of Ley PPE	cty Related Data this material / pro	duct requires the use of s Documents	special protective equi	lpment, please explain	i.
If the handling of Ley PPE SECTION 6: Att List all document MSDS Sheets	this material / pro ached Supporting s, notes, data, and	,			
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Approval Number:

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

ı.	Base Pricing (including freight):
	\$30/5 gal bucket
	Trans \$69/hr plus fsc
l	
ι	·
2.	Contamination Limits (maximum limit before surcharges apply):
,	
	Na
l	
3.	Surcharge Pricing:
ſ	Na
	,
I	
l	
4.	Special Testing Deguinements
4.	Special Testing Requirements:
i	Make sure it fits MSDS
ĺ	
5.	Treatment and Handling Protocol:
ſ	2 options- Shred and put into class 1 box - make sure material is compatible w/ solids or liquids.
ł	or open and put liquid onto newpark truck
	or open and put riquid onto now park truck
l	
_	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C
- 1	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable);
	Na

Sun Chemical Corporation

MATERIAL SAFETY DATA SHEET

Product: RCD-7108
Page: 1
MSDS: 104 Version: 1
Issue Date: 01/01/03
Date: 01/01/03

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

PRODUCT CODE: RCD-7108

CHEMICAL FAMILY: WATER, PIGMENT, SURFACTANT
PRODUCT DESCRIPTION: SURFACTANT BASED AQUEOUS DISPERSION
PRODUCT NAME: SPECIALTY BARIUM LITHOL RED DISPERSION

10-0155

USE DESCRIPTION

Aqueous pigment dispersions are unique, highly colored products incorporating high pigment loading with typically low levels of resin or surfactant. They are used primarily in the coloration of printing inks, paints, and coatings in water borne systems.

MANUFACTURER:

Sun Chemical Corporation
Dispersions Division
3922 Bach-Buxton Road
Amelia, Ohio 45102
U.S.A.

EMERGENCY TELEPHONE NUMBERS:

Transportation: (513) 753-9550 8:30 a.m. - 5:00 p.m.: Ext.242

or Ext .249

Telephone Numbers

General Info: (513) 753-9550 Toll Free: (800) 321-3946 Fax: (513) 753-8374

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION!

Do not allow large amounts to enter sewers, lakes, streams, or other natural waterways. This product contains a surfactant which can cause foaming and may be toxic to aquatic life.

POTENTIAL HEALTH EFFECTS:

This dispersion is mildly irritating to the eyes. Avoid eye contact.

(Continued on Page: 2)

4. FIRST AID MEASURES

EYE CONTACT

Immediately flush eyes tho roughly with large amounts of water for at least fifteen minutes if contact occurs. Seek medical attention.

SKIN CONTACT

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation develops.

INHALATION

If exposed to excessive levels of vapors, remove to fresh air and seek medical attention if breathing is difficult or other symptoms develop.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Nonflammable aqueous pigment dispersion.

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to keep exposed containers cool.

Special Fire-Fighting Procedures

Self-contained breathing apparatus (SCBA) and full protective equipment recommended.

Unusual Fire and Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products.

General Hazard

In the unlikely event that all of the water is evaporated, improper handling of any dry organic pigment product may lead to dust cloud formation which can be an explosion hazard.

Flammability Data

Flash Point:

Non-flammable material Not applicable

Flammability Limits: Autoignition Temerature:

Not applicable

NFPA RATINGS Health: HMIS RATINGS
Health:

Flammability: 1
Reactivity: 0

Flammability: 1
Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Contain spill immediately. Inert materials such as dry sand or sawdust may be used to help absorb any spilled material. Scoop or shovel into appropriate waste containers for disposal purposes. Soap and water may be used as necessary.

Large Spill

Contain spilled material immediately. Use an inert material such as dry sand, sawdust, or earth to help absorb large spills. Scoop or shovel waste material into drums. Prevent runoff from entering into storm sewers, lakes, streams,

(Continued on Page: 3)

6. ACCIDENTAL RELEASE MEASURES (Continued)

or other natural waterways. Large spills may be toxic to aquatic life, and can cause foaming and operational problems at wastewater treatment facilities. Appropriate protective clothing should be worn to prevent employee exposure.

7. HANDLING AND STORAGE

Handling

Avoid employee exposure through the use of appropriate engineering controls, adequate personal protective equipment, and good industrial hygiene practices. Wash thoroughly after handling. Handle in well ventilated work space, and do not allow contact with the skin or eyes.

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Avoid freezing(32°F). Empty containers may contain product residues and should be handled accordingly. Position containers so that any labelling information is visible. Keep containers closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

The use of local exhaust ventilation is recommended to control emissions near the source. Additional engineering controls should be used as necessary.

Personal Protection

Safety glasses with side shields, or goggles, are recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up large spills. Respiratory protection is generally not required. Wash at the end of each work shift. Any contaminated clothing should be removed and laundered.

Exposure Limits

There are no ACGIH TLV's or OSHA PEL's established for this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Red, opaque liquid COLORANT: Pigment Red 49:1 SPECIFIC GRAVITY: 1.1-1.4

SOLUBILITY IN WATER: Dispersible

BOILING POINT: 65-100°C

VOLATILE ORGANIC COMPOUNDS (VOC's): Negligible (< 0.5%)

pH INFORMATION: 7.0-9.0

ODOR: Slight odor

(Continued on Page: 4)

10. STABILITY AND REACTIVITY

GENERAL:

This product is a stable compound and hazardous polymerization will not occur. Since it contains water, do not allow it to freeze.

INCOMPATABILITY:

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

HAZARDOUS DECOMPOSITION PRODUCTS:

When involved in a fire, burning organic pigment products may evolve noxious gases which are toxic. These compounds may include carbon monoxide, carbon dioxide, nitrous oxides, or hydrogen chloride, depending on the pigment type used in the dispersion. All of the water must be driven off first in order for this to occur.

11. TOXICOLOGICAL INFORMATION

GENERAL

Based upon industry-wide experience over many years of manufacturing, aqueous dispersion products in general are considered to have a low level of toxicity. This product contains small amounts of a surfactant that is classified as an irritant. Overexposure to the liquid may result in irritation. There are no established TLV's or PEL's for this product.

ACUTE (SHORT-TERM) TOXICITY

Eye irritation studies on similarly formulated dispersions, using FHSA's test method under 16 CFR 1500.42, indicate this material may be a mild eye irritant. Skin irritation studies were negative. The pigment portion of this product has a reported acute oral LD_{50} value of 5 gm/kg or greater in rats.

CHRONIC (LONG-TERM) TOXICITY

No known published data is available for this product, but it is not expected to pose a chronic health risk under conditions of normal use.

MUTAGENICITY

No known published data is available, but it is not expected to pose a mutagenic risk under conditions of normal use.

ROUTES OF POTENTIAL EXPOSURE

Ingestion/ Inhalation / Skin or Eye Contact

12. ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, based upon degradation studies of similarly formulated aqueous dispersions, it can be concluded that the ingredients are almost completely degraded, except for the pigment. The biodegradation of colorants under aerobic conditions is expected to be limited and there is no evidence to suggest they create any significant ecological problems when released into the

(Continued on Page: 5)

12. ECOLOGICAL INFORMATION (Continued)

environment. Since pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailablity characteristics. Due to the surfactant, spills of large concentrations may be toxic to aquatic wildlife if they reach waterways. No long-term effects are predicted due to the rapid breakdown of the surfactant.

Analogous dispersions tested as follows:

Rainbow trout LC₅₀(24 hrs.): 720 mg/l

> LC₅₀(96 hrs.): 420 mg/l

Wastewater bacteria EC₅₀(3 hrs.): >10,000 mg/l

Only slightly dangerous to fish, invertebrates, and algae. (WGK 1)

13. DISPOSAL CONSIDERATIONS

General

This product must be disposed of in accordance with all applicable federal, state and local regulations.

Waste Management

Incineration or landfilling are recommended disposal techniques. Contact your state or local environmental agency for specific rules.

This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

14. TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102): No	ot regulated
-----------------------------------------------	--------------

D.O.T. HAZARD CLASS (49 CHR 172.101-102)....: None

D.O.T. LABEL..... None

D.O.T. PLACARD..... None

BILL OF LADING DESCRIPTION : Pigments NOI Liquid

CERCLA SUBSTANCE (49 CFR)..... Not regulated

REPORTABLE QUANTITY (RQ)...... None

INTERNATIONAL

UN/NA NUMBER..... Not regulated or classified IATA CLASSIFICATION...... : Not regulated or classified

(Continued on Page: 6)

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard Status

This product is considered to be a hazardous substance under OSHA's Hazard Communication Standard 29 CFR 1910.1200. It may be mildly irritating to the eyes.

Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

CERCLA Reportable Quantity (RQ)

NONE (Not regulated)

SARA Title III

Section 302 (EHS)..... NONE Section 311/312 (Acute).....: YES

Section 313...... Call For Details

RCRA

Not regulated as a hazardous waste under RCRA.

Canadian WHMIS

This material may be a controlled product under WHMIS, due to eye irritation.

EINECS (European Economic Community)

All components of this product are in comliance with the EINECS inventory.

EINECS No.: 'LISTED EINECS No.: *LISTED EINECS No.: 214-160-6 EINECS No.: 231-791-2

CONEG_Status

This product is certified to be in full compliance with CONEG Model Legislation for packaging and packaging ink components.

16. OTHER INFORMATION

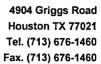
For more information contact Product Safety at

SUN CHEMICAL CORPORATION COLORS GROUP PRODUCT SAFETY DEPARTMENT (513) 681-5950 EXTENSION 323

MR. JAMES M. WENKER

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Sun Chemical Corporation assumes no responsibility for personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.

(Last Page)





Material / Product Approval Letter

Date 7/15/2008

Dear Tim Vorick

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2890

Expiration Date 7/15/2010

Producer: Green Hunter Biofuels

Address:

13605 Industrial Blvd

Houston, TX 77015

Material / Product Information

Name of Material / Product Oily by-prodcut

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Oil by-product stream from production of biodiesel

Color: brown

Odor: hydrocarbon

pH: 4-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std 1

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. If the incoming material is an emals in the material

is un emterming.

CES Environmental

Services, Inc.

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesomental.com

TEEO ladustrial Solid Macto Dormit Number: 20048

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information Company: Green Hunter BioFuels Inc. Address: 13605 Industrial Rd City: State: ΤX Zip: 77015 Houston Title: Terry Wilson Contact: Manager of Terminaling & Logistics **Phone Number:** 713-574-9529 Fax Number: 24/hr Phone Number: **US EPA ID No:** State ID No: SIC Code: Same as Above **SECTION 2: Billing Information -**Company: Address: City: State: Zip: Title: Contact: **Phone Number:** Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: Oily By-product
Detailed Description of Process Generating Waste. - Stream **Physical State:** 🛛 Liquid Sludge ☐ Powder Solid Filter Cake Combination Color: Brown Odor: Density: ∠8 Specific Gravity (water=1): **⋈** No Does this material contain any total phenolic compounds? Yes OM No Does this material contain any para substituted phenolic compounds? Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes ☐ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2819 2821 2822 2823 2824 2833 2834 2812 2813 2816 2842 2843 2844 2851 2865 2869 2835 2836 2841 2861 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 Single-phase ■ Multi-phase Layers:

💹 Truck 🔲 Other (explain)

Container Type:

☐ Drum

Quantity: 40,00000

Frequency: X Weekly A Monthly Yearly One-Time

☐ Tote

	Is this a USEPA "Hazardous Waste" per 40CFR 261.3?						
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)							
	ed waste or mixed with one ist ALL applicable codes:	?	☐ Yes	⋈ №			
40 CFR 261.33(e) or (f)?	duct or spill cleanup that w You you		"U" or "P" wa (No	ste code under			
Texas State Waste Code	Number:	Recy	che_				
Proper US DOT Shipping Class:	Name: Von R UN/NA: VA	PG:	NonD	ot Regula	ted Ma	periol	
Flash Point	рН	Reacti	ve Sulfides	Reactive Cyanides	Solid	s	
:>1H0	4-9	0	mg/l	/*) mg/l	23	%	
Oil & Grease	TOC mg/l		Zinc	Copper mg/l	Nicke	el mg/l	
			<u> </u>				
SECTION 4: Physical and	MPONENTS TABLE			CONCENTRATOIN		UNITS	
	sists of the following materia	als		Ranges are acceptable		or %	
	table)			- 80		0/0	
Water) - 20		%	
Solido				3		%	

If the hand	lling of this was	te requires the use of special protective equipa	ment, please explain.	
	uments, notes,	porting Documents data and/or analysis attached to this form as p CS analysical	art of the waste	
	: Incompatibili			
-0×1	1.30			
Laboratory	analysis of the	Knowledge Documentation hazardous waste characteristics, listed below, generator knowledge:	WAS NOT PERFORMED	
TCLP Meta	ls:	X		
TCLP Volat	iles:	× .		
TCLP Semi-	-Volatiles:	×		
Reactivity:		*		
Corrosivity	:			
Ignitability	:	×		
SECTION 9: Facilities)	Is this materia	Classification Under 40 CFR 437 {Prtaining to Pre-T I a wastewater or wastewater sludge? Implete this section.	reatment Requirements f	or Centralized Waste Treatment NO
	PLEASE CHECK	THE APPROPRIATE BOX. IF NO APPROPRIATE CAT	TEGORY, GO TO THE NEXT	PAGE.
Metals Sub.	Metal finishing Chromate was Air pollution co Spent anodizing Incineration was Waste liquid nacyanide-conta Waste acids and Cleaning, rinsi	plating baths and/or sludges g rinse water and sludges etes ontrol blow down water and sludges ng solutions eastewaters		erations
	egory : Subpart	В		
2	Used oils	Isions or mixtures		
Ĺ	Oil-water emu Lubricants	ISIOHS OF HIIVERICS		
Ė	Coolants			
	_	groundwater clean-up from petroleum sources		
	Used petroleu	•		
Ļ	_ Oil spill clean-	ир		
}	Bilge water Rinse/wash wa	aters from petroleum sources		

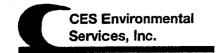
☐ Interceptor wastes ☐ Off-specification fuels ☐ Underground storage remediation waste ☐ Tank clean-out from petroleum or oily sources
 ☐ Non-contact used glycols ☐ Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
Landfill leachate
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification The information contained herein is based on
Authorized Signature: Date: 15708
Printed Name/Title: TIPP/ L. Wilso Mgp TERMINA
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Date: 1-15-08 Approved Rejected Approval Number: 2890

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Purchase for \$0.15/gal. No trans fles.
	Delivered Pay \$ 0.35/gal
	0
2.	Contamination Limits (maximum limit before surcharges apply):
	Must be at least 40% oil recovered, Must not
	be an emplsion.
3	Surcharge Pricing:
J.	
	Contact sales if load is less than 40%
	oi (
	Special Testing Requirements:
	Ash % oil, % solids, % water, flash, TOC the E,
	metals (waster phase), chlor-d-teet. Complete
	Inbound load report
5.	Treatment and Handling Protocol:
	Decant oil and water phases. Sell as is in the trailer.

6. <u>Treated Wastewater Discharge Subcategory:</u>

 Subcategory A	Subcategory B	Subcategory C	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

/. <u>Tes</u>	· ·				
	See	Special	Testing	Requirement	
		•	C		

8. Management for Product Recovered/Recycled (if applicable);

Blend w/	Black Dic, sell as is in the trailou.	

7140 flan

1.4% water

AP1 23

vis 34 est

Black Oil

Miles results

Grant Prideco Navasota



Waste Pre-Acceptance/Approval Letter

Date 7/16/2008

Dear Melissa Burson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2891

Expiration Date 7/16/2010

Generator: Grant Prideco Navasota

Address: FM 1227 Miller Industrial Park #1

Navasota, TX 77868

Waste Information

Name of Waste: used oil
TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

various used machine and equipment oil

Color: black/brown

Odor: mild

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



JW JR

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.ccsenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900



SECTION 1: Mate	rial Producer Inform	ation				O
Company:	Grant Prideco					
Address:	FM 1227 Miller In	dustrial Park #1				
City, State, Zip:	Navasota Tx. 7786	8				
Contact:	Ruben Arrendondo	/ Melissa Burn	ISON	Title:	Environn	nental Tech / Purchasing
Phone No:	(936) 825-7070			Fax No:	(936) 825	
24/hr Phone:	(936) 825-7070					
U.S. EPA I.D. No:	TXD988041786					
State I.D.	-561191	Stranker i e rener dan		SIC Code:		The second second second second second second second second second second second second second second second se
			د در درما در سند و در در در در در در در در در در در در در 	જારા મામમાં ૧૦૦ ફ્રિટ્સિટી કે ઉપલ્સા	<u>,</u>	
	g Information – 🔲 S	ame as Above				
Company:	Grant Prideco					
Address:	PO Box 1310					
City, State, Zip:	Navasota TX 77868					
Contact:	Ami Hammond		Title:	Accountin		
Phone No:	(936) 825-7070 ext. 1	54276	Fax No:	(936) 825-731	18	
,			_			
SECTION 3:_Gene	ral Description of the	Material / Pro	duct			
Name of Material / Detailed Descriptio		ng or Producii	ng the Materi	al / Product:]	Various use	d machine and equipment oil
Physical State:	∠ Liquid ✓ Solid	☐ Sludge ☐ Filter Ca	ake 🗌	Powder Combination	n	
Color: Black / Brow	<u>n</u> O	dor: <u>mild</u>				
Specific Gravity (w	ater=1):21	Density:_87	6 lbs/gat	8		
Does this material c	ontain any total phen	olic compound	ls? 🔲 Yes	⊠ No		
Does this material c	ontain any para subs	tituted phenoli	c compounds	? 🗌 Yes 🛭 🗵	No.	•
Layers:	Single-phase	☐ Mu	lti-phase			
Container Type: Container Size:	☐ Drum	☐ Tote	\boxtimes	Truck 5000		Other (explain)
Frequency:	Weekly	Month!	у 🗆	Quarterly		Yearly
Number of Units (co	ontainers): <u>2</u>	Other:				
n 716 no		Recyl	lu		 	
Proper U.S. DOT S						
Class:	UN/NA	ii na		PG:	22	RQ: MG

Flash Point ≥140-> ZOO	pH N/A	N/A	N/A	Solids 0%	
Oil&Grease	TOC	Zine	Copper	Nickel	
<u>n/a</u> mg/l	n/amg/l	n/amg/l	n/amg/l	p/amg/l	

SECTION 4: 1	Physical and	Chemical	Data
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936-825-4429

	TIP have the record of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country o	Contactioning	Montes	
	The material / product consists of the following materials	. Ranges are acceptable	or %	ground the Hills that of
W	Waste Oil	90-100	%	
	Water	0-10	%	
(

SECTION:	<u>5: Safety R</u>	<u>elated Data</u>
----------	---------------------	--------------------

If the	handling	of this n	naterial /	product r	equires the	use of spec	ial protect	ve equipm	ent, pleas	e explain.	はでする	terenati.
ропе	Sta	. '	e pa lightlige e d	The Andrew Section	u विकास विकास	use of spec			Pan Sinada		Crest a Confe	

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. Ces Eval.# 0608-11

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none oxidizers

Authorized Signature:

SECTION 8: Material Producer's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.

Printed Name/Title: Kuben Heretanko L	Environmental Tech
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Lower Mengland	
Datc: 7-16-08 Approved Rejected	
Approval Number: 289	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
15/gallon
2. Contamination Limit (maximum limit before surchages apply):
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
3. Surcharge Pricing:
make sure it fits the profile
4. Special Testing Requirements:
Separate oil & water; Fest oil for vor swin for your for your, 7. Sdids, chloraltect moil, toc, in Tent water for pH, metals, phends, % sdids.
5. Treatment and HandJing Protocol:
oil for black oit; water to WWTP
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Re	covered/Recycled	d (if applicable)	:	
·				
8. Management for Pro	oduct Recovered/	Recycled (if ap	plicable)	

 (1) 1) (1–1–2)	'	
 COVER		

TO: _____

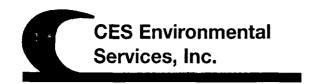
FROM:

GRANT PRIDECO PURCH_

FAX#: 9368254328

TEL#: 936-825-9167

COMMENT:



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Joe Wilson

Cc: Keli Lofton, Gary Peterson

Date: 06/17/08

From: Miles Root Lab Memo: 08-101

Subject: Grant Prideco Evaluations 0608-11 and 12 - Updated

A sample of oil and another sample of oily water from Grant Prideco, Navasota, have been evaluated for potential processing at CES. The sample of oil is used oil from a variety of equipment and is evaluation 0608-11. The oily water comes from both upset machinery and also has been used to cool down pipes. Both of these streams are acceptable for receipt and treatment/recycling at CES.

The oil sample looks to be a good base oil type material. The neat sample has a water of 0.18%; chlor-d-tect of less than 100 ppm; density of 0.876 (API gravity of 30) and a flash point greater than 140 deg F. This is good looking material and its cloudiness clears up nicely when heated to drive off the remaining water. Ash on this oil is 0.17 wt%.

The oily water contains approximately 2.6% oil. The sample will phase separate without much issue if given time. In our plant we would heat it to speed up its processing and remove all of the oil from the water more easily. The water treats easily but produces above average solids. A nice sized flock will form upon treating which will readily phase separate. The treated water has a TOC of 11,110 mg/L, no phenols and acceptable metals. Pricing should include costs for process heating of this material and also above average solids which will need to be disposed.

Volumes of these streams are approximately 3,500 gallons/month of the oil and one 5,000 gallon load of the oily water per week. Both are acceptable for processing at CES.

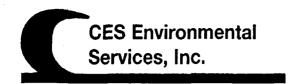
The table below summarizes the work done on these Grant Prideco evaluation streams.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

,	Grant Prideco	
}		I Fuel 0009 13
}	Eval 0008-11	Eval 0608-12
pH		8
vol% oil		2.6
TOC, mg/L		11,110
Solids, vol%		0.5
Phenols, ppm		;0
Metals		! !
Cd		0.094
Cr	· 	0.186
Cu		0.148
Ni		0.44
Zn :		0.079
Water, vol%	0.18	! !
Density	0.876	! !
API Gravity	30	
Ash, wt%	0.17	
Flash Point, deg F	>140	ı '
Chlor-d-tect	<100	(

2892 Zach System Corp (La Porte)



Waste Pre-Acceptance/Approval Letter

Date 7/16/2008

Dear Ronald Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2892

Expiration Date 7/16/2010

Generator: ZaCh System Corp. (La Porte)

Address: 914 South 16th Street

La Porte, TX 77571

Waste Information

Name of Waste: NMP Step 5 First and Second Repulping

TCEQ Waste Code #: 01042071

Container Type:

Detailed Description of Process Generating Waste:

Pharmaceutical manufacturing process

Color: colorless to light brow Odor: slight pH: 3-11

Physical State:

Incompatibilities: see msds

Safety Related Data/Special Handling:

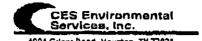
std ppe for flammable materials

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. U.S. EPA 10 Number: TX0008950461

-JR



KIM

4904 Griggs hoad, Moustan, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmantel.com
TCEQ industrial Solid Waste Permit Numbor: 30948

15WR Number: 30900

SECTION 1:	Generator	Informat	lon								•
Company:			160								
Address:	914 South		et								
City:	LaPorte	<u></u>			State:	TX		Zip:			7757
Contact:	Ron Smith	_	· · · · · · · · · · · · · · · · · · ·			Title:		HS&E Manager			7/3/
Phone Num			2-0201	****		Fax Num	ber:				
24/hr Phon			2-0201				.				
US EPA ID N			079062			-					
State 10 No					8842	9 SIC Code	:				
SECTION 2:	Billing Info	rmatina -	.	inme as A	hove						
Company:	MILLS INTO	iNelWitz	, ,	estite as x	PLANE.						
Address:						7	_				
City:					State:			Zíp:			-
Contact:					otato.	Title:					
Phone Num	har				_	Fax Num	har				
Cuone Mant	hei.					_ ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	u u1.				
SECTION 8:	General De	scription	of the Wa	519							
_				·							
Name of Wa			ep 5 Flost		d Repulpi	ng					
Detailed De	scription of	Process 6	enerating	Waste:							
Pharmaceut	ical manufa	cturing pr	ocess								
Physical Stat	ter 🗹	Liquid		_	Sludge			Powder			
		Solld			Filter Cak	e		Combination			
						A		Clicks 6			
Color:	Coloriess to	light bro	<u>wn</u>			Odor:		Slight Pets	"		
Specific Grav	ity (water=	1):			0.9	9		Density:	7.5 lbs/	gai	
								-			
Doos this me	sterial cont	aln any to	ital phenoi	ile campa	unds?		Yes	✓ No			
Does this ma	sterial conti	ain any pa	are substit	uted phe	naliz cam	Sabnuoq		☐ Ves	☑ No		
								- 44 - 401			No.
is the Waste	subject to	the benze	ne wasto	operation	NESHAP	7 (40 CFR P	art 6	1. Subpart FF)		Ves	A MO
			_					cility is one of the		2839	2834
2812	281	-	2816	2819	2821		2822		2824 2861	2865	2859
2835	283		2841	2842	2843		2844			2899	2911
2673	287	-	2876	2879	2691	1 4	2892	2893	2896	2035	2311
3312	495	3	4959	9511							
Layers:	Sin	gle-phase	, C) Multi-	phase						
Container Ty	ps: □	Drum	☐ Tot	ia 🗹 '	Truck [Other (ex	plajn	n)			
Fraquency: Quantity:				Yearly (GenO	flma					

	SEPA "Hetard then please co				Y Canstit		No	1	
	istic for Toxic		□ 000 □ 001	04 00 10 00	005 🗍 0 0 011	D003 (Re: 06		<u> </u>	9
Character	stic for Taxic	Organics: DQ	12 thru D043	(please lis	t all that apply)				
	F" or "K" List then please (167	Q v	es [2] No		
40 CFR 261	mmercial pro 1.33(o) or (f)? then please il			Yes	ry a "U" or "P" v	/aste code u	nder		
Texas State	Waste Code	Number:		0/04	12071		-		
Proper US	DOT Shipping	Name:	RQ Flamm	able liquid	s, n. <u>o.s. (metha</u>	ol)			
Class:	3	UN/NA	UN1993	PG:	PGII	RQ:	5000		
Flas	h Point		pH	Rea	ctive Sulfides	Reactive	Cyanides	Sol	lds
>	100	3	-11	<25	mr/l	<25	mg/l	0-2	%
Dil &	Greate	T	α¢		Zinc	Co	per	Nic	kel
NA	me/i	NA	me/l	NA	me/i	NA	mg/l	NA	mal!
SECTION 4:	Physical and	Chemical Dat	a						
		PONENTA TA				CONCENTRATOIN			UNITS
. Th	e waste consi		owing materi	als		Ranges are acceptable			ar %
		Water				60-1	90		*

CONCENTRATOIN	UNITS
Ranges are acceptable	or %
60-80	%
10-25	%
10-15	%
0-5	%
1-5	%
05	%
05	%
05	%
05	%
	-
_	
	Ranges are acceptable 60-80 10-25 10-15 0-5 1-5 0-5 0-5 0-5 0-5

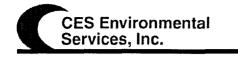
If the hand			of special protective equ	alpment, please explain.	
					<i></i>
	uments, note	Happorting Document es, data and/or analysi	s s artached to this form a	s part of the waste	
	: Incompatit	a <u>llitles</u> Ibilitles (if any):			
Laboratory	analysis of the	s Knawledge Daguma ne hazardous waste ch ng ganarator knowledg	paracteristics, listed below	w, WAS NOT PERFORMED	4.
TCLP Metal	s :	x			
TCLP Volati	61:	X			
TCLP Semi-	Volatiles:	X			
Reactivity:		X			
Corrosivity:		X			
Ignitability:		X			
Section 9: 1 Facilities)	is this mater	t Classification Under A lal a wastewater of was complete this section,		::Treatment Requirements for Controllize	d Wang Treatment
	FLEASE CHE	CK THE APPROPRIATE O	DX. IF NO APPAOPRIATE C	ATEGORY, 60 TO THE NEXT PAGE.	
	Metal finishi Chromate wi Air pollution Spent anodia Incineration Waste liquid Cyanide-con Waste acids Cleaning, rin Vibratory de	opiating baths and/or ain ng rinse water and sludi astes control blow down wat ling solutions wastewaters mercury takining wastes greater than a bases with or withous ling, and furface preparting wastewater	ges er and studges han 136 mg/t hat metals	roplating or phosphating operations	
	Lubricants Coolants Contaminate Used petrole Oil spilt clear Bilde water	nuisions or mixtures and groundwater clean-ui	a from petroleum saurces		

☐ Interceptor wastes	
Off-specification fuels	
Underground storage remediation waste Tank clean-out from petroleum or olly sources	
Non-contact used glycols	
Aquaque and oil mixtures from parts cleaning operations	
☐ Wastewater from oil baaring paint washes	
Quagnics Subcategory: Subpart C	
Landfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
L) Solvent-bearing weates	
☐ Off-specification organic product ☐ Still bottoms	
Byproduct waste glycol	
☐ Westewater from peint waities	
☐ Wastewater from adhesives and/or epoxies formulation	
Wastewater from organic chemical product operations	
Tank clean-out from arganic, non-petroleum sources	
(1)	
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
(2)	
if the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in	
excess of the values listed below, the waste should be classified in the metals subcategory.	
Cadmlum: 0.2 mg/L	
Chromium: 8.9 mg/L	
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
rs)	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper	
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	•
Metals Subcategory	
Olis Subcategory	
Crganics Subcategory	
SECTION 10 Additional instructions	
f you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium	
Copper, Nickel, and Oll and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This	
will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
PROTON 43. An appeal A calling to	
SECTION 12: Generator's Certification The information contained herein is based on generator knowledge and/or analytical data.	
hereby certify that the above and attached description is complete and accurate to the best of	
ny knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the	
naterials tested are representative of all materials described by this document.	
Authorized Signature: Kondi Codvid Date: 7-15-08	
	•
Printed Name/Title: KONALD E. Smith / EHS MANAGER	
	_
ES LISE ONLY (DO NOT WRITE IN THIS SPACE)	
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Tompliance Officer: Policy Change Approved Rejected	
0.000	
pproval Number: 2892	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
.40/ garlon + \$ 500 foresqut of FSC
2. Contamination Limit (maximum limit before surchages apply):
None
3. Surcharge Pricing:
None
4. Special Testing Requirements:
Check Aash, pH, to C
December 1997
5. Treatment and Handling Protocol:
Paceurs to Sopotan.
Perminate manifest + pactors Sento System
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
	····
8. Management for Product Recovered/Recycled (if applicable)	





Health	1
Fire	2
Reactivity	0
Personal Protection	F

Material Safety Data Sheet Dimethyl sulfoxide MSDS

Section 1: Chemical Product and Company Identification

Product Name: Dimethyl sulfoxide

Catalog Codes: SLD3139, SLD1015

CAS#: 67-68-5

RTECS: PV6210000

TSCA: TSCA 8(b) inventory: Dimethyl sulfoxide

CI#: Not applicable.

Synonym: Methyl Sulfoxide; DMSO

Chemical Name: Dimethyl Sulfoxide

Chemical Formula: (CH3)2SO

Contact Information:

Sciencelab.com, Inc. 14025 Smith Rd. Houston, Texas 77396

US Sales: 1-800-901-7247

International Sales: 1-281-441-4400

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Toxicological Data on Ingredients: Dimethyl sulfoxide: ORAL (LD50): Acute: 14500 mg/kg [Rat]. 7920 mg/kg [Mouse]. DERMAL (LD50): Acute: 40000 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:

Slightly hazardous in case of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, .

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (irritant, sensitizer, permeator), of ingestion.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

The substance may be toxic to blood, kidneys, liver, mucous membranes, skin, eyes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Combustible.

Auto-Ignition Temperature: 215°C (419°F)

Flash Points: CLOSED CUP: 89°C (192.2°F). OPEN CUP: 95°C (203°F).

Flammable Limits: LOWER: 2.6% UPPER: 28.5% (Lewis), 42% (NFPA)

Products of Combustion: These products are carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...).

Fire Hazards in Presence of Various Substances:

Flammable in presence of open flames and sparks, of heat.

Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:

When heated above its boiling point, dimethyl sulfoxide degrades giving off formaldehyde, methyl mercaptan, and sulfur dioxide

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and

regional authority requirements.

Large Spill:

Combustible material.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. If the product is in its solid form: Use a shovel to put the material into a convenient waste disposal container. If the product is in its liquid form: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage

Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Hygroscopic. Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Safety glasses. Synthetic apron. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sulfurous. (Slight.)

Taste: Bitter with sweet after-taste (Slight.)

Molecular Weight: 78.13 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 189°C (372.2°F)

Melting Point: 18.45°C (65.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.1008 (Water = 1)

Vapor Pressure: 0.1 kPa (@ 20°C)

Vapor Density: 2.71 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in water; log(oil/water) = -2

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:

Soluble in cold water, hot water, diethyl ether, acetone.

Soluble in chloroform, ethanol, and benzene.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, flames, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Hygroscopic. It has a strong water affinity, and if left exposed it will become rapidly diluted. Incompatible with strong oxidants, arylhalides, bromobenzoyl acetanilide, magnesium perchlorate, perchloric acid, and sodium hydroxide, alkali metals, hydrobromic acid, acidic solutions of alkali bromides, organic and inorganic acid chlorides, acid halides, cyanuric chloride, silver fluoride, methyl bromide, sodium hydride, periodic acid, diborane, iodine pentafluoride, silicon tetrachloride, phosphorous halides (phosphorous trichloride), trichloroacetic acid + copper wool, phosphorous trioxide, thionyl chloride, plastics

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation.

Toxicity to Animals:

Acute oral toxicity (LD50): 7920 mg/kg [Mouse]. Acute dermal toxicity (LD50): 40000 mg/kg [Rat].

Chronic Effects on Humans:

MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, skin, eyes.

Other Toxic Effects on Humans:

Slightly hazardous in case of inhalation (lung irritant).

Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, .

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May cause adverse reproductive effects (female fertility and fetotoxicity - post implantation mortality) and birth defects based on animal data.

May cause cancer (tumorigenic) based on animal data.

May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: Causes skin irritation. May cause urticaria(hives), skin rashes, and dermatitis. Dimethyl Sulfoxide is readily absorbed through skin and may carry other dissolved chemicals into the body. An unusual garlic-onion-oyster odor may develop on breath and body/skin. Absorption through skin may also cause diarrhea, and affect respiration(dyspnea, cyanosis), blood, behavior (fatigue, dizziness, sedation, headaches), vision (transient photophobia, and disturbances of color vision), urinary system (hematuria).

Eyes: Causes eye irritation. May cause blurred vision, corneal opacity, chemical conjunctivitis.

Inhalation: Causes respiratory tract irritation. Symptoms from exposure to high vapor concentrations may include coughing, shortness of breath, headache, dizziness and sedation.

Ingestion: Causes gastrointestinal tract irritation, and an usual garlic-onion-oyster may develop on breath, and body/skin. May affect behavior/central nervous system, respiration (dyspnea). Symptoms may include nausea, vomiting, and diarrhea, abdominal pain, drowsiness, confusion, lethargy, agitation, disorientation, tremor, muscle weakness, chills, chest pains. May also affect liver (elevated liver enzymes, jaundice), cardiovascular system, and urinary system (hematuria, hemoglobinuria, renal tubular injury), eyes (transient photophobia and disturbances of color vision, conjunctive irritation)

Chronic Potential Health Effects:

Skin: Chronic absorption may cause effects similar to that of acute skin absorption. Chronic skin contact may cause scaling dermatitis.

Ingestion: Repeated oral doses may affect the kidneys (hematuria), blood (normocytic anemia, changes in red blood cell count), and metabolism (weight loss/anorexia), liver (jaundice).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Dimethyl sulfoxide

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

National Inventory Lists of China, Japan, Korea, and Philippines.

Other Classifications:

WHMIS (Canada):

CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

DSCL (EEC):

R36/37/38- Irritating to eyes, respiratory system and skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 2

Reactivity: 0

Personal Protection: F

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves (impervious).

Synthetic apron.

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:37 PM

Last Updated: 10/10/2005 08:37 PM

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Material Data Safety Sheet (MSDS): METHYL ALCOHOL

1. Product Identification	7. Handling and Storage		
2. Composition	8. Exposure Controls/Personal Protection		
3. Hazards Identification	9. Physical and Chemical Properties		
4. First Aid Measures	10. Stability and Reactivity		
5. Fire Fighting Measures	11. Toxicological Information		
6. Accidental Release Measures	12. Ecological Information		
	13. Disposal Considerations		
	16. Other Information		

Note: This information sheet has been re-formatted for better clarity by the Department of Earth Sciences.

Some of the data such as information on shipping and weapons treaties were intentionally left out. If you want to look at the complete MSDS, you can either check one of the hardcopy versions in the Department,

contact the manufacturer, or check one of the various Web-based databases such as those compiled by BU's Office of Environmental Health & Safety (www.bu.edu/ehs/msds/index.htm).

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1. Product Identification

MSDS Name: Methyl alcohol, reagent acs, 99.8% (gc)

Synonyms: Carbinol, methanol, methyl hydroxide, monohydroxymethane, pyroxylic spirit, wood alcohol, wood naptha, wood spirit.

Company Identification: Acros Organics N.V.

One Reagent Lane Fairlawn, NJ 07410

For information in North America, call: 800-ACROS-01 For emergencies in the US, call CHEMTREC: 800-424-9300

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2. Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#

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67-56-1 Methyl Alcohol 99+% 200-659-6

Hazard Symbols: T F Risk Phrases: 11 23/25

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3. Hazards Identification

EMERGENCY OVERVIEW

Appearance: APHA: 10 max. Flash Point: 12 deg C.

Warning! Flammable liquid. May cause skin irritation. May cause central nervous system depression. May be absorbed through the skin. May cause kidney damage. May cause respiratory and digestive tract irritation. May be fatal or cause blindness if swallowed. May cause fetal effects. Causes severe eye irritation and possible injury. Target Organs: Kidneys, central nervous system, eyes.

Potential Health Effects

Eye:

Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Vapors may cause eye irritation. May cause painful sensitization to light.

Skin:

May cause skin irritation.

Ingestion:

May be fatal or cause blindness if swallowed. May cause irritation of the digestive tract. May cause kidney damage. May cause systemic

toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness,

drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

Inhalation:

May cause respiratory tract irritation. May cause visual impairment and possible permanent blindness. May cause effects similar to those described for ingestion.

Chronic:

Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

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4. First Aid Measures

Eves:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Effects may be delayed. Ethanol may inhibit metabolism.

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5. Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Flammable Liquid. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May be ignited by heat, sparks, and flame. Containers may explode when heated.

Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.

Autoignition Temperature: 455 deg C (851.00 deg F)

Flash Point: 12 deg C (53.60 deg F)

NFPA Rating: health-1; flammability-3; reactivity-0

Explosion Limits, Lower: 6.00 vol %

Upper: 31.00 vol %

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6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container. Remove all sources of ignition. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

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7. Handling and Storage

Handling:

Wash thoroughly after handling. Use only in a well ventilated area. Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not ingest or inhale. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

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8. Exposure Controls/Personal Protection

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits:

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
	200 ppm; 262 mg/m3; 250 ppm	200 ppm TWA;	200 ppm

Methyl	STEL; 328 mg/m3 STEL; skin -	260 mg/m3 TWA;	TWA; 260
Alcohol	potential for cutaneous absorption	6000 ppm IDLH	mg/m3 TWA

OSHA Vacated PELs:

Methyl Alcohol:

200 ppm TWA; 260 mg/m3 TWA

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149.

Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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9. Physical and Chemical Properties (Methanol, Methyl Alcohol)

Appearance:	Colorless liquid
Odor:	Slight alcohol-like
Solubility:	miscible
Density:	0.7910 g/cm3
рН:	Not available
% Volatiles by volume @ 21C (70F):	Not available
Boiling Point:	64.7 deg C @ 760.00mm Hg
Melting Point:	-98 deg C
Vapor Density (Air=1):	1.1
Vapor Pressure (mm Hg):	128 mm Hg @20 deg C
Evaporation Rate (Ether=1):	5.2
Viscosity:	0.55 cP 20.00

Molecular Formula: CH4O Molecular Weight: 32.04

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10. Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, ignition sources.

Incompatibilities with Other Materials:

Acids (mineral, non-oxidizing, e.g. hydrochloric acid, hydrofluoric acid, muriatic acid, phosphoric acid), acids (mineral, oxidizing, e.g. chromic acid, hypochlorous acid, nitric acid, sulfuric acid), acids (organic, e.g. acetic acid, benzoic acid, formic acid, methanoic acid, oxalic acid), azo, diazo, and hydrazines (e.g. dimethyl hydrazine, hydrazine, methyl hydrazine), isocyanates (e.g. methyl isocyanate), metals (alkali and alkaline, e.g. cesium, potassium, sodium), nitrides (e.g. potassium nitride, sodium nitride), peroxides and hydroperoxides (organic, e.g. acetyl peroxide, benzoyl peroxide, butyl peroxide, methyl ethyl ketone peroxide), epoxides (e.g. butyl glycidyl ether), oxidizing agents (strong, e.g. bromine, hydrogen peroxide, nitrogen dioxide, potassium nitrate), reducing agents (strong, e.g. aluminum carbide, chlorosilane, hydrogen phosphide, lithium hydride), water reactive substances (e.g. acetic anyhdride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane).

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, formaldehyde.

Hazardous Polymerization: Has not been reported

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11. Toxicological Information

RTECS#:

CAS# 67-56-1: PC1400000

LD50/LC50:

CAS# 67-56-1: Inhalation, rat: LC50 =64000 ppm/4H; Oral, mouse: LD50 = 7300 mg/kg; Oral, rabbit:

LD50 = 14200 mg/kg; Oral, rat: LD50 = 5628 mg/kg; Skin, rabbit; LD50 = 15800 mg/kg.

Carcinogenicity:

Methyl Alcohol -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

Methanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory animals. Specific developmental abnormalities include cardiovascular, musculoskeletal, and urogenital systems.

Teratogenicity:

No data available.

Reproductive Effects:

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No data available.
Neurotoxicity:
No data available.
Mutagenicity:
No data available.
Other Studies:
None.

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12. Ecological Information

Ecotoxicity:

Goldfish (fresh water), 250 ppm/11H, death. Aquatic toxicity rating: TLm 96 > 1000 ppm. LC50(48hr) trout 8000 mg/l LC50(24hr) brine shrimp 10000 mg/l EC50(30min) Photobacterium phophoreum 51000-320000ppm, microtox test (Kaiser, K.L.E. et al. Water Pollut. Res. J. Can. 1991, 26(3), 361-431) Bioaccummulation. Bioconcentration factor for goldenide<10 (Freitag, D. et al. Chemosphere 1985, 14, 1589-1616).

Environmental Fate:

Nitrification inhibition. IC50ammonic oxidation by Nitrosomonas 160 mg/l (exposure not specified) (Hooper, A. J.Bacteriol. 1973, 115, 480). Metabolised by the marine ammonia oxidising bacterium Nitrococcus oceanus with the liberation of CO2 (Ward, B.B. Arch. Microbiol. 1987, 147(2), 126-133). Degradation studies. Under anaerobibc conditions traces of carbon monoxide were formed together with methane by activated sludge inoculum (Hickey, R.F. et al. Biotechnol. Lett. 1987, 9(1), 63-66) Physical/Chemical:

No information available.

Other:

None.

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13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.

RCRA F-Series: None listed. RCRA P-Series: None listed.

RCRA U-Series: CAS# 67-56-1: waste number U154 (Ignitable waste).

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Methanol MSDS Page 8 of 8

16. Other Information

MSDS Creation Date: 7/03/1995 Revision #4 Date: 4/14/1998

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

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MSDS Index

MSDS Number: \$4034 * * * * * Effective Date: 05/04/07 * * * * * Supercedes: 07/07/04

MSDS Material Safety Data Sheet National Response in Car CANUTEC, 613-998-6568 Outside U.S. and Canade Chemiser: 763-527-3847 Mallinckrodt JT.Baker NOTE DESTRETO, DATE TE and horses suggeste Carter emergency numbers to be specially in the west of other collecting indicate sources graph seals for leap come or accord-tions may present the Mallinckrodt Baker, Inc 222 Red School Lane Philäpsburg, NJ 08865

800 862 2537) for assistance

SODIUM HYDROXIDE

1. Product Identification

Synonyms: Caustic soda; lye; sodium hydroxide solid; sodium hydrate

CAS No.: 1310-73-2 Molecular Weight: 40.00 Chemical Formula: NaOH

Product Codes:

J.T. Baker: 1508, 3717, 3718, 3721, 3722, 3723, 3728, 3734, 3736, 5045, 5565

Mallinckrodt: 7001, 7680, 7708, 7712, 7772, 7798

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Hydroxide	1310-73-2	99 - 100%	Yes

3. Hazards Identification

Emergency Overview

POISON! DANGER! CORROSIVE, MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES BURNS TO ANY AREA OF CONTACT, REACTS WITH WATER, ACIDS AND OTHER MATERIALS.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 4 - Extreme (Poison) Flammability Rating: 0 - None Reactivity Rating: 2 - Moderate
Contact Rating: 4 - Extreme (Corrosive)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES Storage Color Code: White Stripe (Store Separately)

Potential Health Effects

Inhalation:

Severe irritant. Effects from inhalation of dust or mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose. Severe pneumonitis may occur. Ingestion:

Corrosive! Swallowing may cause severe burns of mouth, throat, and stomach. Severe scarring of tissue and death may result. Symptoms may include bleeding, vomiting, diarrhea, fall in blood pressure. Damage may appear days after exposure.

Corrosive! Contact with skin can cause irritation or severe burns and scarring with greater exposures

Eye Contact:

Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Chronic Exposure:

Prolonged contact with dilute solutions or dust has a destructive effect upon tissue.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

DÖ NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately,

Perform endoscopy in all cases of suspected sodium hydroxide ingestion. In cases of severe esophageal corrosion, the use of therapeutic doses of steroids should be considered. General supportive measures with continual monitoring of gas exchange, acid-base balance, electrolytes, and fluid intake are also required.

5. Fire Fighting Measures

Not considered to be a fire hazard. Hot or molten material can react violently with water.

Can react with certain metals, such as aluminum, to generate flammable hydrogen gas.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Adding water to caustic solution generates large amounts of heat.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. Do not flush caustic residues to the sewer. Residues from spills can be diluted with water, neutralized with dilute acid such as acetic, hydrochloric or sulfuric. Absorb neutralized caustic residue on clay, vermiculite or other inert substance and package in a suitable container for disposal.

US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Always add the caustic to water while stirring; never the reverse. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Do not store with aluminum or magnesium. Do not mix with acids or organic materials.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
- OSHA Permissible Exposure Limit (PEL):

2 mg/m3 Ceiling

- ACGIH Threshold Limit Value (TLV):

2 mg/m3 Ceiling

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, airsupplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance

White, deliquescent pellets or flakes. Odor:
Odorless.
Solubility:
111 g/100 g of water.
Specific Gravity:
2.13
pH:
13 - 14 (0.5% soln.)
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
1390C (2534F)
Melting Point:
318C (604F)
Vapor Density (Air=1):
> 1.0
Vapor Pressure (mm Hg):
Negligible.
Evaporation Rate (BuAc=1):

10. Stability and Reactivity

No information found.

Stability:

Stable under ordinary conditions of use and storage. Very hygroscopic. Can slowly pick up moisture from air and react with carbon dioxide from air to form sodium carbonate.

Hazardous Decomposition Products:

Sodium oxide. Decomposition by reaction with certain metals releases flammable and explosive hydrogen gas.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Sodium hydroxide in contact with acids and organic halogen compounds, especially trichloroethylene, may causes violent reactions. Contact with nitromethane and other similar nitro compounds causes formation of shock-sensitive salts. Contact with metals such as aluminum, magnesium, tin, and zinc cause formation of flammable hydrogen gas. Sodium hydroxide, even in fairly dilute solution, reacts readily with various sugars to produce carbon monoxide. Precautions should be taken including monitoring the tank atmosphere for carbon monoxide to ensure safety of personnel before vessel entry.

Conditions to Avoid:

Moisture, dusting and incompatibles.

11. Toxicological Information

Irritation data: skin, rabbit: 500 mg/24H severe; eye rabbit: 50 ug/24H severe; investigated as a mutagen.

\Cancer Lists\			
	NTF	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Sodium Hydroxide (1310-73-2)	No	No	None

12. Ecological Information

Environmental Fate: No information found. Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: SODIUM HYDROXIDE, SOLID Hazard Class: 8 UN/NA: UN1823 Packing Group: II Information reported for product/size: 300LB

International (Water, I.M.O.)

Proper Shipping Name: SODIUM HYDROXIDE, SOLID

Hazard Class: 8 UN/NA: UN1823 Packing Group: II

Information reported for product/size: 300LB

15. Regulatory Information

Ingredient		TSCA	EC	Japan	Australi
Sodium Hydroxide (1310-73-2)					Yes
\Chemical Inventory Status - Part	2\				
Ingredient			DSL		Phil.
Sodium Hydroxide (1310-73-2)				No	Yes
\Federal, State & International R Ingredient	-SAR RQ	A 302- TPQ	Lis	SAR st Che	A 313 mical Cat
Sodium Hydroxide (1310-73-2)		No			
		ions -	Part 2		
	_		-RCRA-	- T	
	CERC	LA 	-RCRA- 261.33	- T. 8 8 N	(d)

Australian Hazchem Code: 2R

Poison Schedule: S6

WIIMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 3 Flammability: 0 Reactivity: 1

Label Hazard Warning:

POISON! DANGER! CORROSIVE. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES BURNS TO ANY AREA OF CONTACT.

REACTS WITH WATER, ACIDS AND OTHER MATERIALS.

Label Precautions:

Do not get in eyes, on skin, or on clothing. Do not breathe dust.

Keep container closed.

Use only with adequate ventilation.

Wash thoroughly after handling.

Label First Aid:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

Product Use:

Laboratory Reagent.

Revision Information:

No Changes

Disclaimer:

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Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.)

Safety data for magnesium iodide



Glossary of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

General

Synonyms: iodic acid magnesium salt, magnesium diiodide

Use:

Molecular formula: Mgl₂ CAS No: 10377-58-9 EINECS No: 233-825-1

Physical data

Appearance: white powder

Melting point: 637 C

Boiling point: Vapour density: Vapour pressure:

Density (g cm⁻³): 4.43

Flash point: Explosion limits:

Autoignition temperature:

Water solubility: 1480 g/l at 18 C

Stability

Stable, but moisture and air sensitive - store under inert gas.

Toxicology

May act as an irritant. May cause harm to the unborn child.

Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given <u>here.</u>)

Risk phrases

(The meaning of any risk phrases which appear in this section is given <u>here.</u>) R36 R38 R42 R43 R61.

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses, adequate ventilation.

Safety phrases

(The meaning of any safety phrases which appear in this section is given here.)

S22 S36 S37 S39 S45 53.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

This information was last updated on October 17, 2003. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.

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MSDS Number: M0156 * * * * * Effective Date: 08/02/07 * * * * * Supercedes: 11/04/04

24 Hour Emergency Telephone 908-859-2151 CHEMTREC 1-800-424-9300 **MSDS** Material Safety Data Sheet National Response in Canada CANUTEC, 613-698-6668 Outside U.S. and Canada Chemica: 703-527-3887 Mallinckrodt Baker, Inc 222 Red School Lane Phillipsburg, NJ 08865 NOTE CHEMITED CASUTED and Natives freedome Career emargency dumbates to be undough in the exect of other doller residencies structuring a policies free expressive as account structuring parameters.

All notine merginney suppliens phospid be directed to Oustomer Service (1,800,562,2537) for assistance

MAGNESIUM CHLORIDE

1. Product Identification

Synonyms: Magnesium chloride, hexahydrate; Magnesium chloride, 6-hydrate, crystal

CAS No.: 7786-30-3 (Anhydrous); 7791-18-6 (Hexahydrate)

Molecular Weight: 203.30 Chemical Formula: MgCl2 6H2O

Product Codes: J.T. Baker: 2444, 2448, 2449, 2450, 4003

Mallinckrodt: 12131, 5910, 5933, 5954, 5956, 5958, 5960, 7550, 7791

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Magnesium Chloride	7786-30-3	98 - 100:	Yes

3. Hazards Identification

Emergency Overview

CAUTION! MAY BE HARMFUL IF SWALLOWED.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight Flammability Rating: 0 - None Reactivity Rating: 1 - Slight Contact Rating: 1 - Slight Lab Protective Equip GOGGLES; LAB COAT; PROPER GLOVES Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

Inhalation of dust may cause mild irritation to the mucous membranes.

Ingestion:

Since magnesium salts are slowly absorbed, abdominal pain, vomiting and diarrhea may be the only symptoms. However, if elimination is blocked by bowel blockage or other reasons, CNS depression, lack of reflexes, hypocalcemia (deficiency of calcium in the blood) may occur.

Skin Contact:

No adverse effects expected but may cause minor skin irritation.

Eye Contact:

No adverse effects expected but dust may cause mechanical irritation

Chronic Exposure:

No information found

Aggravation of Pre-existing Conditions:

No information found.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact:

Remove any contaminated clothing. Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

Note to Physician:

IV administration of calcium gluconate will partially reverse the effects of acute magnesium toxicity. Ventricular support with calcium chloride infusion and mannitol forced diuresis has also been successful.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard. At room temperature the addition of magnesium chloride to furan-2-peroxycarboxylic acid, will cause the acid to explode.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

Colorless flakes or crystals.

Odor:

Odorless.

Solubility:

167g/100ml water @ 20C (68F) Density:

1.57

pH:

5% in water is neutral to litmus.

% Volatiles by volume @ 21C (70F):

0

Boiling Point:

Not applicable

Melting Point:

118C (244F)
Vapor Density (Air=I):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage. By strong ignition is converted into oxychloride.

Hazardous Decomposition Products:

When heated to decomposition it emits corrosive hydrochloric acid vapor. When heated to temperatures above 300C (572F) it emits toxic fumes of chlorine gas.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Furan-2-peroxycarboxylic acid. Strong oxidizing agents will release chlorine.

Conditions to Avoid:

Heat, moisture, incompatibles

11. Toxicological Information

Oral rat LD50: 8100mg/kg. Investigated as a mutagen.

\Cancer Lists\	 -		
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Magnesium Chloride (7786-30-3)	No	No	None

12. Ecological Information

Environmental Fate:

No information found. Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

\Chemical Inventory Status - Pa		TSCA	EC	Japan	Australia
Magnesium Chloride (7786-30-3)				Yes	
\Chemical Inventory Status - Pa	rt 2\			 anada	
Ingredient		Korea		NDSL	Phil.
Magnesium Chloride (7786-30-3)		Yes		No	
\Federal, State & International					A 313
Ingredient	RQ		Li:		mical Catg.
Magnesium Chloride (7786-30-3)	No				
\Federal, State & International	Regulati	ions -		2\ T	
Ingredient	CERC1		261.3	3 8	(d)
Magnesium Chloride (7786-30-3)	No			N N	

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated. Poison Schedule: None allocated. WHMIS:

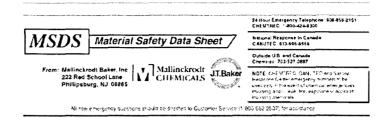
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0
Label Hazard Warning:
CAUTION! MAY BE HARMFUL IF SWALLOWED.
Label Precautions:
Keep container closed.
Wash thoroughly after handling.
Label First Aid:
If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.
Disclaimer:

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Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.) MSDS Number: **II3880** * * * * * * Effective Date: **01/19/06** * * * * * Supercedes: **09/24/04**



HYDROCHLORIC ACID, 33 - 40%

1. Product Identification

Synonyms: Muriatic acid; hydrogen chloride, aqueous

CAS No.: 7647-01-0 Molecular Weight: 36.46 Chemical Formula: HCl

Product Codes: J.T. Baker: 5367, 5537, 5575, 5800, 5814, 5821, 5839, 5861, 5862, 5894, 5962, 5972, 5994, 6900, 7831, 9529, 9530, 9534, 9535, 9536, 9538, 9539, 9540, 9544,

Mallinckrodt: 2062, 2515, 2612, 2624, 2626, 3861, 5583, 5587, H611, H613, H987, H992, H999, V078, V628

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Hydrogen Chloride	7647-01-0	33 - 405	Yes
Water	7732-18-5	60 - 678	No

3. Hazards Identification

Emergency Overview

POISON! DANGER! CORROSIVE, LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. INHALATION MAY CAUSE LUNG DAMAGE.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Poison) Flammability Rating: 0 - None Reactivity Rating: 2 - Moderate Contact Rating: 4 - Extreme (Corrosive)

Lab Protective Equip. GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: White (Corrosive)

Potential Health Effects

Inhalation:

Corrosive! Inhalation of vapors can cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract, and in severe cases, pulmonary edema, circulatory failure, and death.

Corrosive! Swallowing hydrochloric acid can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. May cause nausea, vomiting, and diarrhea. Swallowing may be fatal.

Skin Contact:

Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and discolor skin. **Eve Contact:**

Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.

Chronic Exposure:

Long-term exposure to concentrated vapors may cause erosion of teeth. Long term exposures seldom occur due to the corrosive properties of the acid. Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye disease may be more susceptible to the effects of this substance

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:

DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Extreme heat or contact with metals can release flammable hydrogen gas.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

If involved in a fire, use water spray. Neutralize with soda ash or slaked lime.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Structural firefighter's protective clothing is ineffective for fires involving hydrochloric acid. Stay away from ends of tanks. Cool tanks with water spray until well after fire is out.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e.g., verniculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker NEUTRASORB® or TEAM® 'Low Na+' acid neutralizers are recommended for spills of this product.

7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. When opening metal containers, use non-sparking tools because of the possibility of hydrogen gas being present. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

For Hydrochloric acid:

- OSHA Permissible Exposure Limit (PEL):

5 ppm (Ceiling)

- ACGIH Threshold Limit Value (TLV):

2 ppm (Ceiling), A4 Not classifiable as a human carcinogen

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a full facepiece respirator with an acid gas cartridge may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

Colorless, fuming liquid.

Odor:

Pungent odor of hydrogen chloride.

Solubility:

Infinite in water with slight evolution of heat.

Density: 1.18

pH:

For HCL solutions: 0.1 (1.0 N), 1.1 (0.1 N), 2.02 (0.01 N)

% Volatiles by volume @ 21C (70F):

100

Boiling Point:

53C (127F) Azeotrope (20.2%) boils at 109C (228F) Melting Point:

-74C (-101F)

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

190 @ 25C (77F)

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage. Containers may burst when heated.

Hazardous Decomposition Products:

When heated to decomposition, emits toxic hydrogen chloride fumes and will react with water or steam to produce heat and toxic and corrosive fumes. Thermal oxidative decomposition produces toxic chlorine fumes and explosive hydrogen gas.

Will not occur

Incompatibilities:

A strong mineral acid, concentrated hydrochloric acid is incompatible with many substances and highly reactive with strong bases, metals, metal oxides,

hydroxides, amines, carbonates and other alkaline materials. Incompatible with materials such as evanides, sulfides, sulfides, and formaldehyde

Conditions to Avoid:

Heat, direct sunlight.

11. Toxicological Information

Inhalation rat LC50: 3124 ppm/1H; oral rabbit LD50: 900 mg/kg (Hydrochloric acid concentrated); investigated as a tumorigen, mutagen, reproductive effector.

\Cancer Lists\		·	
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Hydrogen Chloride (7647-01-0)	No	No	3
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:

When released into the soil, this material is not expected to biodegrade. When released into the soil, this material may leach into groundwater.

Environmental Toxicity:
This material is expected to be toxic to aquatic life.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: HYDROCHLORIC ACID Hazard Class: 8 UN/NA: UN1789 Packing Group: II Information reported for product/size: 475LB

http://www.jtbaker.com/msds/englishhtml/H3880.htm

International (Water, I.M.O.)

Proper Shipping Name: HYDROCHLORIC ACID Hazard Class: 8 UN/NA: UN1789 Packing Group: II Information reported for product/size: 475LB

15. Regulatory Information

Risk and Safety Phrases: Symbol: C Risk: 34-37 Safety: (1/2-)26-45

Ingredient	Inventory Status - Part				w	
	(7647-01-0)		Yes Yes	Yes	Yes	Yes Yes
\Chemical	Inventory Status - Part	2\				
Ingredient				a DSL		Phil.
Hydrogen Chloride Water (7732-18-5)	(7647-01-0)		Yes	Yes	No	Yes Yes
Ingredient	State & International Re	-SARA	302-	 Lie	SAR	A 313
			500*	Yes	5	No
, ,						
\Federal,	State & International Re	CERCL	A	-RCRA-	T	SCA- (d)

Australian Hazchem Code: 2R Poison Schedule: None allocated

SARA 311/312: Acute: Yes Chronic: Yes Reactivity: No (Mixture / Liquid)

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR

16. Other Information

NFPA Ratings: Health: 3 Flammability: 0 Reactivity: 1

Label Hazard Warning:

POISON! DANGER! CORROSIVE, LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE, MAY BE FATAL IF SWALLOWED OR INHALED. INHALATION MAY CAUSE LUNG DAMAGE.

Label Precautions:

Do not get in eyes, on skin, or on clothing.

Do not breathe vapor or mist.

Use only with adequate ventilation

Wash thoroughly after handling. Store in a tightly closed container.

Remove and wash contaminated clothing promptly.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

Product Use: Laboratory Reagent

Revision Information:

MSDS Section(s) changed since last revision of document include: 16.

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Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.) Page 5 of:

MSDS Number: \$3338 * * * * * * Effective Date: 11/09/06 * * * * * Supercedes: 01/12/04

24 Hour Emergency Telephone 908-859-215 CHEMIREC 1-800-424-9300 **MSDS** National Response in Canada CANUTEC, 613-696-6566 Material Safety Data Sheet Outside U.S. and Canad Chemirec: 703-527-3887 Mallinckrodt Baker, Inc 222 Red School Lane Phillipsburg, NJ 08865 Mallinckrodt JT.Baker NOTE CHEMIFEO, OAN, TEC and Native; frequence Center emergency humber to be sow only in the west of onem call enterpolices monoring a poil least, they expressed as escaped frequency absence also.

All non emergency our stores enough so directed to Guaranter Service (1 BOX 562 25.02: for assumance

SODIUM CHLORIDE

1. Product Identification

Synonyms: Salt; Rock Salt; Saline; Table Salt

CAS No.: 7647-14-5 Molecular Weight: 58.44 Chemical Formula: NaCl

Product Codes:

J.T. Baker: 3624, 3625, 3626, 3627, 3628, 3629, 4058, 4924

Mallinckrodt: 4577, 5519, 7361, 7503, 7532, 7534, 7540, 7544, 7576, 7581, 7713, V482

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardou	
Sodium Chloride	7647-14-5	99 - 100:	Yes	

3. Hazards Identification

Emergency Overview

WARNING! CAUSES EYE IRRITATION.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight Flammability Rating: 0 - None Reactivity Rating: 0 - None Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

May cause mild irritation to the respiratory tract.

Ingestion:

Very large doses can cause vomiting, diarrhea, and prostration. Dehydration and congestion occur in most internal organs. Hypertonic salt solutions can produce violent inflammatory reactions in the gastrointestinal tract.

Skin Contact:

May irritate damaged skin; absorption can occur with effects similar to those via ingestion.

Eye Contact:

Causes irritation, redness, and pain. (For salt concentrations greater than the normal saline present.)

Chronic Exposure: No information found

Aggravation of Pre-existing Conditions:

No information found.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops

Eve Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower evelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

Not considered to be a fire hazard

Explosion:

Not considered to be an explosion hazard

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids), observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eve Protection:

Use chemical safety goggles. Maintain eve wash fountain and quick-drench facilities in work area

9. Physical and Chemical Properties

Appearance:

White crystals.

Odor: Odorless

Solubility:

36g/100cc water @ 20C (68F) Specific Gravity:

2.16

pH:

6.7 - 7.3 (aqueous solution)

% Volatiles by volume @ 21C (70F):

Boiling Point:

1413C (2575F)

Melting Point:

801C (1474F)

Vapor Density (Air=1):

No information found

Vapor Pressure (mm Hg):

1.0 @ 865C (1589F)

Evaporation Rate (BuAc=1):

Page 3 of 4 SODIUM CHLORIDE

No information found

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Hygroscopic.

Hazardous Decomposition Products:

When heated to above 801C (1474F) it emits toxic fumes of chloride and sodium oxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Lithium, bromine trifluoride.

Conditions to Avoid:

Incompatibles.

11. Toxicological Information

Oral rat LD50: 3000 mg/kg. Inhalation rat LC50: > 42 gm/m3 /1H.

Skin rabbit LD50: > 10 gm/kg. Investigated as a mutagen, reproductive effector

\Cancer Lists\			
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Sodium Chloride (7647-14-5)	No	No	None

12. Ecological Information

Environmental Fate: No information found. **Environmental Toxicity:** No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated

15. Regulatory Information

					Yes
\Chemical Inventory Status - Part 2	2\				
(one made a live most) bear do not be	•			nada	
Ingredient		Korea			Phil.
Sodium Chloride (7647-14-5)				No	
\Federal, State & International Reg					
Ingredient	RQ	TPQ	Lis	t Che	A 313 mical Ca
\Federal, State & International Rec	gulatio	ons -			
Ingredient	CERCL	<i>p</i>		T- ·	
ingreatenc					
			No	N	^

SODIUM CHLORIDE Page 4 of 4

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 1 Flammability: 0 Reactivity: 0

Label Hazard Warning: WARNING! CAUSES EYE IRRITATION.

Label Precautions:

Avoid contact with eyes.

Wash thoroughly after handling.

Label First Aid:

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Product Use:

Laboratory Reagent.

Revision Information:

No Information Found.

Disclaimer:

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Prepared by: Environmental Health & Safety

Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: \$4202 * * * * * Effective Date: 05/19/08 * * * * * Supercedes: 07/11/05

24 Nacr Emergency Telephone, 908-853-2151 CHEMTREC: 1800-424-9300 National Response in Canad CANUTEC, \$13-596-6555 **MSDS** Material Safety Data Sheet Outside U.S. and Canadi Chemirec 703-527-3887 Mallinckrodt Baker, Inc. 222 Red School Lane Phillipsburg, NJ 08865 NOTE CHEMISE O, CAN, TECLARD National Response Center emergency himmers to be asset with a first expert of other collections are asset of other collections are asset of other collections are controlled to the collections of the collections of the collections. All non emergancy guesnous should be displied to Outsomer Service (800 662 2507) for assistance

SODIUM IODIDE

1. Product Identification

Synonyms: Sodium iodine; Sodium monoiodide CAS No.: 7681-82-5 Molecular Weight: 149.89 Chemical Formula: Nal **Product Codes:**

J.T. Baker: 3748, 3750

Mallinekrodt: 1136, 1141, 1143, 1206

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous	
Sodium Iodide	7681-82-5	90 - 1007	Yes	

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT, CHRONIC EXPOSURE MAY PRODUCE IODISM

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate (Life) Flammability Rating: 0 - None Reactivity Rating: 1 - Slight Contact Rating: 2 - Moderate

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

Inhalation of dust may cause coughing, choking, with variable symptoms of headache, dizziness, and weakness. May cause lung edema.

Ingestion:

Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea

Skin Contact:

Causes irritation to skin. Symptoms include redness, itching, and pain

Eye Contact:

Causes irritation, redness, and pain.

Chronic Exposure:

A mild toxic syndrome "iodism" may result from chronic iodide overdoses. May cause salivation, sneezing, conjunctivitis, headache, fever, laryngitis, bronchitis, stomatitis, and parotitis (iodine mumps). Prolonged or repeated skin exposure may cause skin rashes.

Aggravation of Pre-existing Conditions:

No information found

4. First Aid Measures

SODIUM IODIDE Page 2 of 4

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Protect from light. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:
White granular or colorless crystals
Odor:
Odorless.
Solubility:
184 g/100 ml water @ 25C
Specific Gravity:
3.67
pll:
8 - 9.5
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
1300C (2372F)
Melting Point:
651C (1204F)
Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg): 1 @ 767C (1413F) Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Absorbs up to 5% moisture on exposure to air and becomes brown due to liberation of iodine.

Hazardous Decomposition Products:

When heated to decomposition it emits toxic fumes of iodine and sodium oxide

Hazardous Polymerization:

Alkali metals, chloral hydrate, acids tartaric acid, potassium chlorate, metallic salts, iodine. Reacts violently with bromide trifluoride, perchloric acid, and oxidants.

Conditions to Avoid:

Light and incompatibles.

11. Toxicological Information

Toxicological Data:
Oral rat LD50: 4340 mg/kg. Irritation data: skin rabbit, standard Draize: 500 mg/24H, moderate; eye rabbit, standard Draize: 100 mg/24H, moderate. Investigated

Reproductive Toxicity:

The occasional use of iodides for asthma in pregnancy has resulted in fetal death, severe goiter and cretanoid appearance of the newborn.

\Cancer Lists\			
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Sodium Iodide (7681-82-5)	No	No	None

12. Ecological Information

Environmental Fate:

No information found

Environmental Toxicity:

No information found

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated

15. Regulatory Information

\Chemical Inventory Status - Part 1\ Ingredient		EC		Australia
Sodium Iodide (7681-82-5)	Yes		Yes	Yes
\Chemical Inventory Status - Part 2\				
Ingredient	Korea	DSL		Phil.
Sodium Iodide (7681-82-5)	Yes		No	
\Federal, State & International Regulati				
Ingredient RQ	TPQ	Lis	st Che	A 313 mical Catg.
Sodium Iodide (7681-82-5) No				No
\Federal, State & International Regulati				
Ingredient CERCI			T	

SODIUM IODIDE Page 4 of 4

Sodium Iodide (7681-82-5)

Chemical Weapons Convention: No TSARA 311/312: Acute: Yes Chronic Reactivity: No (Pure / Solid) TSCA 12(b): No CDTA: No Chronic: Yes Fire: No Pressure: No

Australian Hazchem Code: None allocated

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 2 Flammability: 0 Reactivity: 1

Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. CHRONIC EXPOSURE MAY PRODUCE IODISM

Label Precautions:

Avoid contact with eyes, skin and clothing

Avoid breathing dust

Keep container closed.

Use only with adequate ventilation.

Wash thoroughly after handling.

Label First Aid:

In case of contact, wipe off excess material from skin then immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

Product Use:

Laboratory Reagent Revision Information:

No Changes.

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INFORMATION.

Prepared by: Environmental Health & Safety Phone Number: (314) 654-1600 (U.S.A.)

14:58



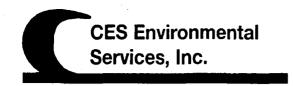


Fax

Toi	Kelli Lofton / CES	From:	Ron Smlth	
Fax:	713-676-1676	Pagesi	5	·
Phone:	281-842-0201	Date:	7/15/2008	
Ret	NMP Wastewater profile	CC:	Matt Bowman	·
□ Urge	nt x For Review	☐ Please Comment	□ Please Reply	☐ Please Recycle

• Comments: Please process accordingly...

Thenki, Sudl



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: 10-11

Material / Product Approval Letter

Date 7/21/2008

Dear Don Burks

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2893

Expiration Date 7/21/2010

Producer: Midstate Environmental Services LP

Address: 2203 Tower Road

Robstown, TX 78380

Material / Product Information

Name of Material / Product Sodium chlorite solution

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused material that has diminished in oxidizing potential

Color: slight yellow Odor: slight bleach

Physical State:

Incompatibilities: acids

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Profiled as pure product Sidium CES Environmental Services, Inc.

is less thanklo (10) the matrial 4904 Griggs Road Houston, TX 77021

is a reject. The volume is to Phone: (713) 676-1460 Fax: (713) 676-1676

high for CES to use as an oxidiv TCEQ Industrial Solid Waste Permit No: 30948

Houston, TX 77021

Fax: (713) 676-1676

est to a ven. SECTION 1: Gen	erator Information					
Company:	Midstate Enviro		e			
Address:	2203 Tower Roa	ad				
City, State, Zip:	Robstown, TX_		. <u> </u>			
Contact:	Don Burks			Title:	Opeation	ns Manager
Phone No:	361-387-2171			Fax No:	361-767	-7720
24/hr Phone:	CES-713-676-1	460				
U.S. EPA I.D. No:						
State I.D.				SIC Code:		
SECTION 2: Billi	ng Information	Same as Abo	<u>ve</u>			
Company:	Midstate Environn	nental Services	_			
Address:	P.O. Box 261180					
City, State, Zip:	Corpus Christi, TX	X 78426-1180	_			
Contact:	Don Burks		Title:	Operations N	/Janager	
Phone No:	361-387-2171		Fax No:	361-767-772	20	
•	odium Chlorite Solu on of Process Gener			ial that has dimin	iished in oxi	dizing potential
Physical State:	on of Process Gener	rating Waste: Sludg Filter	ge · Cake	_		idizing potential
Physical State:	on of Process Gener	rating Waste:	ge · Cake	☐ Powder		idizing potential
Physical State: Color: slight yellow	on of Process Gener	rating Waste: Sludg Filter Odor: slight	ge · Cake	☐ Powder ☐ Combination		idizing potential
Physical State: Color: slight yellow Specific Gravity (w	on of Process Gener	rating Waste: Sludg Filter Odor: slight Den	ge Cake bleach sity: 8 lbs/gal	☐ Powder ☐ Combination		idizing potential
Physical State: Color: slight yellow Specific Gravity (w Does this material	on of Process Gener Liquid Solid vater=1): 1.0	rating Waste: Sludg Filter Odor: slight Den henolic compo	ge Cake bleach sity: 8 lbs/gal	Powder Combination		idizing potential
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material	on of Process Gener Liquid Solid vater=1): 1.0 contain any total pl	rating Waste: Sludg Filter Odor: slight Den henolic compo	ge Cake bleach sity: 8 lbs/gal	Powder Combination	on	idizing potential
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material Layers:	on of Process Gener Liquid Solid vater=1): 1.0 contain any total placements	rating Waste: Sludg Filter Odor: slight Den henolic compo	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou	Powder Combination	on	Other (explain)
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material Layers: Container Type:	on of Process General Liquid Solid	rating Waste: Sludg Filter Odor: slight Den henolic compoubstituted pherese	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou	☐ Powder ☐ Combination es ☑ No ands? ☐ Yes	on	
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material Layers: Container Type: Container Size:	on of Process General Liquid Solid	rating Waste: Sludg Filter Odor: slight Den henolic compoubstituted pherese	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou Multi-phase	☐ Powder ☐ Combination es ☒ No ands? ☐ Yes ☒ Truck	on ⊠ No	
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material Layers: Container Type: Container Size: Frequency:	on of Process General Liquid Liquid Solid Vater=1): 1.0 contain any total placentain any para su Single-phase Drum Urum Urum Urum Urum	rating Waste: Sludg Filter Odor: slight Den henolic compo ubstituted pher se Tote Mor	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou Multi-phase	☐ Powder ☐ Combination es ☒ No ends? ☐ Yes ☐ Truck 5000	on ⊠ No	Other (explain)
Physical State: Color: slight yellow Specific Gravity (w Does this material Does this material Layers: Container Type: Container Size: Frequency: Number of Units (c	on of Process Gener Liquid Solid Vater=1): 1.0 contain any total place ontain any para su Drum Under Drum Under Weekly containers): 2	rating Waste: Sludg Filter Odor: slight Den henolic compo ubstituted pher se Tote Mon Other	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou Multi-phase c thly er: one-time	☐ Powder ☐ Combination es ☒ No ends? ☐ Yes ☐ Truck 5000	on ⊠ No	Other (explain)
Physical State: Color: slight yellow Specific Gravity (w Does this material	on of Process Gener Liquid Solid Vater=1): 1.0 contain any total place ontain any para su Single-phase Drum Weekly containers): 2 Code No:	rating Waste: Sludg Filter Odor: slight Den henolic compo ubstituted pher se Mor Othe NA-Product for	ge Cake bleach sity: 8 lbs/gal unds? Ye nolic compou Multi-phase thly er: one-time r Re-use (Scr	☐ Powder ☐ Combination es ☒ No ends? ☐ Yes ☐ Truck 5000 ☐ Quarterly	on No	Other (explain)

Flash Point none	рН 10-11	Reactive Sulfides Omg/l	Reactive Cy Omg/I		Solids <1%
Oil&Grease	TOC	Zinc	Copper	Nickel	
nonemg/l	nonemg/l	Omg/1	Omg/I	<u>0</u> mg/l	

SECTION 4: Physical and Chemical Data

GOMPONENTSCFABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Sodium Chlorite	3-10	%
Water	90-97	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level \underline{C}

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES Evaluation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	х
TCLP Volatiles:	$\hat{\mathbf{x}}$
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
lenitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Walle 1662	Date: ///8/08
Printed Name/Title: William K. King Tr. OPENAA	on or Whatey en
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Lower Change	
Date: 7-21-08 Approved Rejected	
Approval Number: 2893	

Flash Point	pH	Reactive Sulfides	Reactive Cyanide	s	Solids
none	<u>10-11</u>	<u>O</u> mg/l	<u>0</u> mg/l		<u><1</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel	
nonemg/l	nonemg/l	<u>0</u> mg/l	<u>O</u> mg/l	<u>0</u> mg/l	

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Sodium Chlorite	3-10	%
Water	90-97	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES Evaluation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	\mathbf{X}
TCLP Volatiles:	$\underline{\mathbf{X}}$
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Generator's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \boxtimes analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	Date:				
Printed Name/Title:	-				
CES USE ONLY (DO NOT WRITE IN TH	IIS SPACE)				
Compliance Officer:			·		
Date:	Approved	Rejected			
Approval Number:					

SE	CTION 10: Waste Receipt Classification Under 40 CFR 4	<u>137</u>
Is t	this material a wastewater or wastewater sludge? YES	⊠ NO
If'	Yes', complete this section.	
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPRO	OPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	els Subcategory: Subpart A	
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from ele Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equi	• • • • • • •
Oils .	Subcategory: Subpart B	
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum source Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes	s
<u>Orga</u>	nics Subcategory: Subpart C	
	Landfill leachate Contaminated groundwater clean-up from non-petroleum so Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation	ources
H	Wastewater from organic chemical product operations	

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

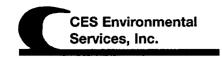
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	12 cents per gallon. If CES does the trans it is \$70.00/hour plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):
2.	Contamination Limits (maximum limit before surcharges apply):
	none
3.	Surcharge Pricing:
	none
1	Special Testing Requirements:
4.	
	Verify material is the same as the sample evaluation. Test the density. If the density is less than 1.10 then the material is non conforming and is a reject, the customer must explain why the density is less than 1.2.
	less than 1.10 then the material is non conforming and is a reject.
	the on shower must explain who the density is less it is
	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
_	
	Treatment and Handling Protocol:
Cannot	Re-use as a scrubber solution - Too much volume - Sell as a sodium chlorite product. Too high of a volume to process of CES as an oxidizer. Must have an outside source to sell as a product.
	product. Too high of a volume to process of CES as a willing week
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
	have an outside source to sell as a product.
'	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	none .
8.	Management for Product Recovered/Recycled (if applicable);
	none



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Gary Brauckman

Cc: Keli Lofton, Gary Peterson, Prabhaker

Date: 06/17/08

From: Miles Root

Lab Memo: 08-107

Subject: Midstates Environmental Evaluation 0608-37

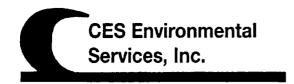
A sample of bleach from Midstates Environmental has been evaluated for use at CES. This sample is evaluation 0608-37 and is a sodium chlorite solution used as a bleaching solution.

The main application of sodium chlorite is the generation of chlorine dioxide for bleaching and stripping of textiles, pulp, and paper. Sodium chlorite is a strong oxidizer. The specific gravity of this sample is 1.205 at ambient temperature which equates to an approximate strength of 25% sodium chlorite. The www.oxy.com web site has lots of useful information about sodium chlorite and other bleaching chemicals that I used as a reference. The 25% solution is a standard solution that is sold. Marketing this material is one outlet that we have for this stream.

We can use some of this material in our wastewater plant but not an entire load at one time, due to the strong oxidizing effect of sodium chlorite. It readily reacts with organics and may generate excessive heat if processed into our system in one concentrated batch. We cannot receive a load of this material and process it as one batch into our system. We could move it into one of our frac tanks and process it through over a 24 hour period into our waste water. There is no treatment that we will actually do with this stream, it's just a matter of moving it through our waste water treatment system at a pace that it can handle.

Marketing this material to generators of chlorine dioxide will be more profitable. Otherwise, we will just have to process this material at an acceptable pace when it is received.

2894 El Paso Enengy 7 E 4. D9 8-4. D9 L RB 35



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/22/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2894

Expiration Date 7/22/2010

Generator: El Paso Energy

Address: 1001 Louisiana #T-3180

Houston, TX 77002

Waste Information

Name of Waste: DTM acrylic semi gloss

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

general maintenance

Color: na

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

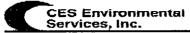
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





DB

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

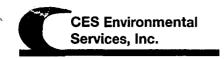
ISWR Number: 30900

U.S. EPA ID Number: TXD008950461

SECTION 1: Generator Information Company: EL PASO ENERGY Address: 1001 LOUISIANA #T-3180 City: HOUSTON 77002 State: TX Zip: JEFF FRENCH Title: Contact: MAINT. MANAGER Phone Number: 713-420-4027 Fax Number: 24/hr Phone Number: 800-468-1760 TXD987990041 **US EPA ID No:** SIC Code: CESQG State ID No: SECTION 2: Billing Information -■ Same as Above Company: CKG SERVICES Address: 10707 HONEA EGYPT ROAD City: MONTGOMERY TX Zlp: 77316 State: Title: **ZAC MCKAUGHAN** PRESIDENT Contact: Phone Number: 936-483-3662 Fax Number: 936-756-1226 SECTION 3: General Description of the Waste Name of Waste: DTM ACRYLIC SEMI GLOSS Detailed Description of Process Generating Waste: **GENERAL MAINTENANCE Physical State:** 4 Liquid 5ludge Powder Solid Filter Cake Combination Color: Odor: NONE NA Specific Gravity (water=1): NA Density: NA lbs/gal Does this material contain any total phenolic compounds? Yes ✓ No Does this material contain any para substituted phenolic compounds? Yes ☑ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes ☑ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2822 2823 2824 2833 2834 2835 2836 2841 2844 2842 2843 2851 2861 2865 2869 2873 2874 2876 2679 2891 2892 2893 2896 **2899** 2911 3312 4953 4959 9511 Layers: v Single-phase Multi-phase Container Type: ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain) Frequency: Weekly Monthly Yearly One-Time Quantity: FIVE

Is this a USEPA "Hazarde If "Yes", then please f	ill out the UHC F	orm		Yes	7			
If "Yes", Is it: Characteristic for Toxic Characteristic for Toxic		☐ D004 ☐ D010	□D011	☐ D006	D003 (Read	DOOS	e00a 🗀	
Is this an "F" or "K" Liste If "Yes", then please li			?	☐ Yes	· 🔽	No		
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please li	-	☐ Ye	<u> </u>	"U" or "P" wa No	ste code un	der	·····	
Texas State Waste Code	Number:		CESQ2191					
Proper US DOT Shipping	Name:	NON REGUL	ATED/NON	DOT/NON HAZ				
Class: NA	_UN/NA:	NA	PG:	NA	RQ:	NA	V	
Flash Point	рн	 	Reacti	ve Sulfides	Reactive	Cyanides	Solid	ds
NA	NA		NA	mg/l	NA	mg/l	NA	%
Oil & Grease	TOC	•						
				Zinc "	Сор		Nick	
NA mg/l	NA	mg/l	NA	Zinc mg/l	NA NA	mg/l	Nick NA	el <u>mg/l</u>
	NA							
NA mg/l SECTION 4: Physical and	NA Chemical Data MPONENTS TAB	mg/I	NA	mg/l	CONCENT	mg/l		mg/l UNITS
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con:	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %
NA mg/l SECTION 4: Physical and CO The waste con: AC	NA Chemical Data MPONENTS TAB sists of the follow	mg/l LE ring materia	NA	mg/l	CONCENT	mg/l RATOIN cceptable		mg/l UNITS or %

SECTION 5: Safety Rela	ted Data	
If the Kandling of this wa	aste requires the use of special protective equipment, please explain.	
NOME / /J		
7 = 1		
		
SECTION 6: Attached S	upporting Documents	
List all documents, note	s, data and/or analysis attached to this form as part of the waste	
approval package.	MSDS	
SECTION 7: Incompatib	illities	
Please list ALL incompat	ibilities (if any):	
None Known		
CECTION D. Conomical	s Knowledge Decumentation	
	s Knowledge Documentation	· n
	ne hazardous waste characteristics, listed below, WAS NOT PERFORME	.D
pased upon the followin	g generator knowledge:	
TCLP Metals:		0
TCLP Volatiles:		0
TCLP Semi-Volatiles:		
Reactivity:		0
Corrosivity:		
Ignitability:		
Politon Politica 1		<u></u> <u></u>
SECTION 9: Generator's	s Certification	
The information contain		nalytical data.
I hereby certify that the	above and attached description is complete and accurate to the best o	•
	ty to determine that no deliberate or willful omissions of compostion	•
	t all known or suspected hazards have been disclosed. I certify that the	
	resentative of all materials described by this document.	
Authorized Signature:	Dat	te: 7/14/2008
		<u> </u>
Printed Name/Title:	ZAC MCKAUSHAN / PRESIDENT	
	•	
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)	
	γ , ρ_0 ,	
Compliance Officer:	sollend made	
Date: 7-22-0	Approved Rejected	
Approval Number:	2894	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$65/DM
2.	Contamination Limits (maximum limit before surcharges apply):
	None
l	
3.	Surcharge Pricing:
	NA
l	
4.	Special Testing Requirements:
	Make sure product fits MSDS
l	
5.	Treatment and Handling Protocol:
	Class 1 Liquids or Sludge box depending on consistancy
l	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
	_ cassanger, r



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Compatibility with other light ends
0	Management for Duradust Decembed (Decembed (if amiliable)
8.	Management for Product Recovered/Recycled (if applicable);
	Put recovered hydrocarbons into light ends if compatible
	·

MATERIAL SAFETY DATA SHEET For Coating, Resins, and Related Materials NPCA 1-84

Manufacturer's Name BENJAMIN MOORE & CO.

Emergency Telephone No. 800-424-9300 (CHEMTREC)

51 CHESTNUT RIDGE RD MONTVALE, NJ 07645

Date Prepared Last Rev Date Information Telephone No. 11-11-05 01-19-01 201-573-9600

For the most up-to-date MSDS information

please visit our website www.benjaminmoore.com/msds/go.html

SECTION I - PRODUCT ID

** HMIS CODE **

PRODUCT*: M29, nM29

HEALTH: 2*

CLASS: WATER THINNED PAINT

FLAMMABILITY: 0

NAME: D.T.M. ACRYLIC SEMI-GLOSS

REACTIVITY: 0

COLOR: ALL

PERSONAL PROT:

** SARA TITLE 312 **

ACUTE: Y CHRONIC: Y FIRE: N PRESSURE: N REACTIVITY: N For a complete description of HMIS and an explanation of the PERSONAL PROT:

code, see Section XX.

*NOTE: In the PRODUCT code a little n can be any capital letter of the

alphabet except P or Q.

			SECTIO	AH II NO	ZARDOUS I	NGREDIEN'	rs	•
	REDIE SARA		CAS #	TLV	PEL	STEL	CEIL	ММ Нд
		phate 5.0	007779-90-0	10 mg/M3	15 mg/M3	n/e	n/e	n/a
-			n Silicates 001332-58-7	2 Mg/M3	5 mg/M3	n/e	n/e	n/a
		Glycol	000057-55-6	N/E	N/E	N/E	N/E	0.04 @ 2
		Glycol 5.0	000107-21-1	50 ppm	N/Ė	n/e	50 ppm	.08 @ 20
			ol Monomethyl I 000111-77-3		N/E	N/E	N/E	0.1 @ 20
			Mono-2-Ethylho 001559-35-9			n/e	n/E	n/e
		hthala 5.0	te 000084-74-2	5 mg/M3	5 mg/M3	N/E	N/E	, .01 @ 20
		Dioxide 20.0	013463-67-7	10 mg/M3	15 mg/M3	N/E	N/E	N/A
Talo		5.0	014807-96-6	2 mg/M3	2 mg/M3	N/E	N/E	N/A

MSDS #: M29, nM29 Page 2

C.I. Pigment Black 7

Y N 5.0 001333-86-4 3.5mg/M3 3.5mg/M3 N/E N/E N/A

This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column.

Note: This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

This product may contain small amounts of materials known to the State of California to cause cancer and reproductive harm.

SECTION III PHYSICAL DATA

BOILING RANGE: N/A WT/GALLON: 8.7 to 10.1 %VOL BY VOLUME: 59.4 to 63.0 EVAPORATION RATE: SLOWER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR

SECTION IV FIRE AND EXPLOSION HAZARD DATA

D.O.T. FLAMMABILITY CLASS:: NOT REGULATED FLASH POINT: > 250 F PMCC LEL: Not Applicable

EXTINGUISHING MEDIA: FOAM CO2 DRY CHEMICAL WATER FOG UNUSUAL FIRE AND EXPLOSION HAZARDS:

Toxic gases may form when product burns.

Closed containers may burst if exposed to extreme heat or fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Cool exposed containers with water. Use self-contained breathing apparatus.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - ACUTE:

Inhalation - Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea.

Contact - Causes eye irritation.

Contact - Causes skin irritation.

Ingestion - Harmful if swallowed. Irritation of the digestive tract and nervous system depression (drowsiness, dizziness, loss of coordination and fatigue).

EFFECTS OF OVEREXPOSURE - CHRONIC:

Notice: contains chemicals which may cause liver, kidney, thyroid and blood disorder upon overexposure based on animal data.

IARC has classified Carbon Black as possibly carcinogenic for humans (2B). NOTICE: Reports have associated permanent brain and nervous system damage with repeated, prolonged overexposure to solvents among persons engaged in the painting trade. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None expected when used in accordance with Safe Handling and Use Information (Section VIII).

Ingestion - Give 1 or 2 glasses of water to dilute.

induce vomiting if the subject is conscious. Obtain medical attention.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES :

Inhalation - Remove to fresh air. Get medical help for any breathing difficulty.

Eye Contact - Flush thoroughly with water. Call physician.

· Skin Contact - Wash with soap and water.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID: Elevated temperatures

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce carbon dioxide and carbon monoxide.

INCOMPATABILITY (MATERIALS TO AVOID): None reasonably foreseeable.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with water. Absorb with sawdust or rags.

WASTE DISPOSAL METHOD:

Conventional procedures in compliance with local, state and federal regulations. Do not incinerate sealed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION:

Wear a properly fitted vapor/particulate respirator approved by NIOSH for use with paints during application or sanding and until all vapors and spray mist are exhausted. In confined spaces or in situations where continuous spray operations are typical, or if proper respirator fit is not possible, wear a positive-pressure, supplied air respirator approved by NIOSH.

VENTILATION:

Adequate to maintain working atmosphere below T.L.V. and L.E.L.

(See Sect. II for ingredient data and concentrations). Mechanical exhaust may be required in confined areas.

PROTECTIVE GLOVES: Solvent impermeable gloves are required.

EYE PROTECTION: Splash goggles or safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Clothing adequate to protect skin.

HYGIENIC PRACTICES:

Remove and wash clothing before reuse. Wash hands before eating, smoking or using the washroom.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not throw or drop containers.

OTHER PRECAUTIONS :

Avoid contact with eyes and prolonged contact with skin or breathing of spray mist or sanding dust.

Close container after each use. Keep out of reach of children. Do not take internally.

SECTION XX

HMIS (Hazardous Materials Identification System) (R) NPCA HMIS is a recognized workplace Hazard Communications System as required by OSHA (29 CFR 1910.1200). Information on establishing a compliant hazardous communication program using HMIS is available from:

American Labelmark Co., Inc., Labelmaster Division 5724 N. Pulaski Rd., Chicago, IL 60646 1-800-621-5808

2871 Mid South



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/7/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2871

Expiration Date 7/7/2010

Generator: Mid South

Address: 22490

22490 Hwy 105 West

Montgomery, TX 77356

Waste Information

Name of Waste: Gas

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Unused/out of date gas

Color: clear-brown

Odor: petroleum

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mater	ial Producer Inform	ation				
Company:	MID SOUTH					
Address:	22490 HWY 105 W	EST				
City, State, Zip:	MONTGOMERY,	TX 77356				
Contact:	HEATH BROWN			Title:		
Phone No:	979-220-8604			Fax No:		
24/hr Phone:	281-541-4829			_		
U.S. EPA LD. No:	CESQ	~				
State I.D.	TXCESQG			SIC Code:		
SECTION 2: Billing	Information – S	ame as Above				
	CKG SERVICES LL					
	10707 HONEA EGYI	PT		·		
	MONTGOMERY, TX	77316				·
	ZAC MCKAUGHAN		itle:	PRESIDENT		
Phone No:	281-541-4829		ax No:	936-756-1226		
			•			
SECTION 3: Gener	al Description of the	Material / Produ	ıct			
Name of Material / F	roduct: GAS					
Detailed Description		ng or Producing	the Mater	al / Product: UN	USED/C	OUT OF DATE GAS
				,		
Physical State:	🔀 Liquid	Sludge		Powder		
-	Solid	Filter Cake	. 「	Combination		
clacs		C Anter Out	_	, 00,00-,-10,001		
Color: PETROLEUM	T brown o	dor: <u>PETROLEL</u>	īΜ			
Color, ESTINOLICON	(),	401. <u>1111(200</u> 0				
6	4 4). 374	Donaites NA II	ha/aa1			
Specific Gravity (wa	ier—1): <u>NA</u>	Density: <u>NA</u> l	08/Rat			
Does this material co	ntain any total phen	olic compounds?	Yes Yes	⊠ No		
				. C		
Does this material co	ntain any para subs	lituted phenolic	compound	3? 🗌 Yes 🛭 🖾 I	NO	
_	⊠	[7] Benda	· • • • • • • • • • • • • • • • • • • •			
Layers:	Single-phase	☐ Widiti	-phase			
	_		_		_	
Container Type:	Drum	∐ Tote	لـا	Truck	\boxtimes	Other (explain)
Container Size:						LARGE TANK
_	[] www	M 36:-413		O	127	Waarle.
Frequency:	Weekly	Monthly	ليا	Quarterly	\bowtie	Yearly
Number of Units (co	ntainers): <u>600 GAL</u> I	<u>-ONS</u>	Other	:		
	$\mathcal{D}_{\cdot n}$	cycle_	71	ple .		
Proper U.S. DOT Sh	inning Name:	GAS- G	1 2 14	To lieu a	2006	- colon
-			אן פטשיייי	de ligraid,		
Class: NA 3	UN/NA	: NA 1993		PG: NA	11 11	RQ: NA

Flash Point NA 2130	pH NA 3-1	N/A	N/A		Solids NA%
oil&Grease Amg/l	TOC NAmg/I	Zine <u>NA</u> mg/1	Copper NAmg/I	Nickel <u>NA</u> wg	
ECTION 4: Phy	sical and Chemical				
The mate		NTS TABLE ists of the following mate	erials	Concentration Ranges are accept	
GAS	, p. 0 - 1 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6			_100	%
WATER				0-5	%
	· · · · · · · · · · · · · · · · · · ·				
					· · · · · · · · · · · · · · · · · · ·

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. NA

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

MA Exidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on \boxtimes generator knowledge and/or \square analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

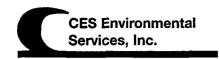
Authorized Signature:		Date: 10 + 50 - 65
Printed Name/Title:	AC MCKAUGHAN/PRESIDENT	
CES USE ONLY (DO NOT WRITE IN THIS S	SPACE)	
Technical Manager: Lowell	lyde	
Date: 7-7-08	Approved Rejected	
Approval Number: 287		

But 1 - 21 AC



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	If high water content then :30/gal up to \$5,000 TOC on the water phase and no payment for product
	If Product is good then CES pays .30/gal if less than 2% water If water is 67 27 then he will treat cost is 8.11/gal.
2.	Contamination Limits (maximum limit before surcharges apply):
	Solids-Call Dan if Solids are present-May contain Benzene . Segregate solids
3.	Surcharge Pricing:
	Call if TOC on water is above 55,000 pen a water is 57 270.
	<u>1</u>
4.	Special Testing Requirements:
	Fill out receiving report, % water, % solids, % gasoline, phenols
	·
5.	Treatment and Handling Protocol:
	Good gasoline goes to lightends, Water needs to be oxidized to remove benzene prior to discharge. The water phase
	requires 3% peroxide la treat.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
	Subcategory I Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	lests for Product Recovered/Recycled (if applicable):
	Compatibility with other light ends
8.	Management for Product Recovered/Recycled (if applicable):
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable); Put recovered hydrocarbons into light ends if compatible
8.	
8.	
8.	
8.	

HALLIBURTON

MATERIAL SAFETY DATA SHEET

Product Trade Name:

CLAYSEAL PLUS

Revision Date:

02-Jan-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name:

CLAYSEAL PLUS

Synonyms:

None

Chemical Family:

Ethoxylated polyamine

Application:

Shale stabilizer

Manufacturer/Supplier

Halliburton Energy Services

P.O. Box 1431

Duncan, Oklahoma 73536-0431 Emergency Telephone: (281) 575-5000

Prepared By

Chemical Compliance

Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Number	PERCENT	ACGIH TLV-TWA	OSHA PEL-TWA_
Hydrochloric acid	7647-01-0	1 - 5%	2 ppm	5 ppm
Propylene glycol	57-55-6	10 - 30%	10 mg/m ³	15 mg/m ³
Polyalkeneamine		10 - 30%	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin, and respiratory irritation. May cause headache, dizziness, and other central nervous system effects. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably

mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin In case of contact, immediately flush skin with plenty of soap and water for at least 15

minutes. Get medical attention, Remove contaminated clothing and launder before

reuse.

Eyes In case of contact, or suspected contact, immediately flush eyes with plenty of water

for at least 15 minutes and get medical attention immediately after flushing.

Ingestion Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek

medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician No

Not Applicable

FIRE FIGHTING MEASURES

Flash Point/Range (F):

Not DeterminedMin: > 200 Not DeterminedMin: > 93

Flash Point/Range (C): Flash Point Method:

PMCC

Autoignition Temperature (F):

Not Determined

Autoignition Temperature (C):

Not Determined Not Determined

Flammability Limits in Air - Lower (%): Flammability Limits in Air - Upper (%):

Not Determined

Fire Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical,

Special Exposure Hazards

Use water spray to cool fire exposed surfaces. Decomposition in fire may produce

toxic gases.

Special Protective Equipment for Full protective clothing and approved self-contained breathing apparatus required for

Fire-Fighters

fire fighting personnel.

NFPA Ratings: HMIS Ratings:

Health 2, Flammability 1, Reactivity 0

Flammability 1, Reactivity 0, Health 2

ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures Use appropriate protective equipment.

Environmental Precautionary

Prevent from entering sewers, waterways, or low areas.

Measures

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials.

Procedure for Cleaning / Absorption

Scoop up and remove.

HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes, skin, or clothing, Avoid breathing vapors. Wash hands after

use. Launder contaminated clothing before reuse.

Storage Information

Store in a cool well ventilated area, Keep container closed when not in use. Product has a shelf life of 36 months. Store away from oxidizers. Store away from alkalis.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use in a well ventilated area.

Respiratory Protection

Organic vapor/acid gas respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Rubber apron.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Color:

Clear light yellow

Odor: pH:

Amine 6-8

Specific Gravity @ 20 C (Water=1):

1.04-1.07

PHYSICAL AND CHEMICAL PROPERTIES

Density @ 20 C (lbs./gallon):

Bulk Density @ 20 C (lbs/ft3): Boiling Point/Range (F):

Boiling Point/Range (C): Freezing Point/Range (F): Not Determined Not Determined

Not Determined

Freezing Point/Range (C):

15 -9

8.8

Vapor Pressure @ 20 C (mmHg): Vapor Density (Air=1):

Not Determined Not Determined Not Determined

Percent Volatiles: Evaporation Rate (Butyl Acetate=1):

Not Determined

Solubility in Water (g/100ml):

Soluble Not Determined

Solubility in Solvents (g/100ml):

Not Determined

VOCs (lbs./gallon):

2-15

Viscosity, Dynamic @ 20 C (centipoise): Viscosity, Kinematic @ 20 C (centistrokes):

Not Determined

Partition Coefficient/n-Octanol/Water:

Not Determined

Molecular Weight (g/mole):

Not Determined

10. STABILITY AND REACTIVITY

Stability Data:

Stable

Hazardous Polymerization:

Will Not Occur

Conditions to Avoid

None known.

Incompatibility (Materials to

Avoid)

Strong oxidizers. Strong alkalis.

Hazardous Decomposition

Products

Oxides of nitrogen. Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye or skin contact, inhalation.

inhalation

May cause respiratory irritation.

May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and

unconsciousness.

Skin Contact

May cause severe skin irritation.

Eye Contact

May cause severe eye irritation.

Ingestion

May cause central nervous system depression including headache, dizzlness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue

blurred vision, slurred speech, giddiness, tremors and convulsions.

Aggravated Medical Conditions

Skin disorders. Eye ailments.

Chronic Effects/Carcinogenicity

No data available to indicate product or components present at greater than 1% are

chronic health hazards.

Other Information

None known.

Toxicity Tests

Oral Toxicity:

Not determined

Dermal Toxicity:

Not determined

Inhalation Toxicity:

Not determined

Primary Irritation Effect:

Not determined

Carcinogenicity

Not determined

Genotoxicity:

Not determined

Reproductive /

Not determined

Developmental Toxicity:

ECOLOGICAL INFORMATION

Mobility (Water/Soll/Air)

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not Determined

Ecotoxicological Information

Acute Fish Toxicity:

Not determined

Acute Crustaceans Toxicity: Not determined **Acute Algae Toxicity:**

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

Disposal should be made in accordance with federal, state, and local regulations.

Contaminated Packaging

Follow all applicable national or local regulations.

TRANSPORT INFORMATION

Land Transportation

DOT

Not restricted

Canadian TDG

Not restricted

ADR Not restricted

Air Transportation

ICAO/IATA Not restricted

Sea Transportation

IMDG Not restricted

Other Shipping Information

Labels:

None

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory

Product contains one or more components not listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

Not applicable

EPA SARA (311,312) Hazard

Class

Acute Health Hazard

EPA SARA (313) Chemicals

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

EPA CERCLA/Superfund

Not applicable.

Reportable Spill Quantity For This **Product**

EPA RCRA Hazardous Waste

Classification

If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

California Proposition 65

All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

Product contains one or more components not listed on inventory.

WHMIS Hazard Class

E Corrosive Material

OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

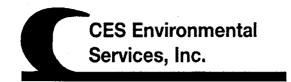
For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Chemical Compliance at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

~ ~~~= ~ ~ ~ ~ ~ ~

2872 MTI Environmental



Waste Pre-Acceptance/Approval Letter

Date 7/8/2008

Dear Troy Swearingen

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2872

Expiration Date 7/8/2010

Generator: MTI Environmental

Address: 2150 Pansy Rd

Pasadena, TX 77503

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty totes and drums

Color: na

Odor: na

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. OES Er Service

No Generator

authorized Signature Phone: (713) 676-1460

http://www.cese

on paper work. TCEQ Industrial Solid

US EPA ID No. TYP0008

CES Environmental Services, Inc.

20

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator									
	MTI ENVIR								
Address :	150 PANY	RJ_			•				
City, State, Zip : P	ASAdura, Ty	F 77503							
Contact :	Tray Swica	x; ylex		Title :	, <u>.</u> <u> </u>				
Phone No:	32 257-6	กเริง		_Fax:	. • • • • •		-	~ ^ <u>~</u>	
24 / UD Dhana	32 257 -			_	•				
U.S EPA I.D No : 0	T & CES 9		<u></u>						
State I.D :	(esas			_SIC Code					
SECTION 2: Billing Info	ormation _	SA~c AS	Above						
Company:	200	~ .							
Address :			- -						
	ـ دو٠٠								
Contact :				_Title :					
Phone No: (Fax:					
SECTION 3: General D	escription of the Wast	e							
Name of Waste: RC	RA empty containers	S	_						
Detailed Description	of the Process Ger	erating Waste:							
empty totes and drum		J							
Dhusiaal State	· .	Cludge	 ₽	dos					
Physical State :	Liquid	Sludge		owder					
	✓ Solid	Filter Cake	.∭ Co	ombination					
Color :		па	Odor:				na .		
Specific Gravity (Wa	ter=1) :	na	Density:			na		lbs / gal	
Does this material con	tain any total phenolic	compounds?	Yes	✓ No					
Does this material con	tain any para substitut	ed phenolic compo	unds?	Yes	✓ No				
Is the Waste subject to	the benzene waste or	peration NESHAP? (40 CFR Part 61,	Subpart FF)		Yes	✓ N	lo	
2812 2813 2816			2833 2834	2835 2830		2842		2844	2851
2861 2865 2869	2873 2874 283		2892 2893	2896 2899	9 2911	3312		4959	9511
Layers :	Single-Phas	Multi-Phas	se						
Container Type: 🗹	Drum 🛅	Tote	Truck 🗸	Other (expl	ain)	Dru	lm		
Container Size :	varies								
Number Of Units :									
Is this a USEPA "Haza	ardous Waste" per 40	CFR 261.3?	Yes	✓ No					
	complete, sign and date		_		ned hereto				
TE "Voe" is it. D			2000 001100100						
re "Voo" to its 1 1 Di	IOI I DOOD	: (MANY							

Characteristic for Toxic I	Metals: D004 I	D005 🗌 D006 🔲 🗎	D007	
	☐ D008 ☐ I	D009 🗌 D010 🔲 I	0011	
Characteristics for Toxic	Organics: D012 thru D043	(please list all that apply)		
Is this an "F" or "K" Liste	ed waste or mixed with one	? Yes V No		
If "Yes", then please	list ALL applicable codes:			
Is this a commercial proceed 261.33(e) or (f)?	duct or spill cleanup that we	ould carry a "U" or "P" was	te code under 40 CFR	Yes 🔽 No
If "Yes", then please	list ALL applicable codes:			
Texas State Waste Code	e No :			
Proper U.S. State Waste	Code No :	Non-RCRA/Non-DOT Re	gulated Material (empty cor	itainers)
Class :	UN/NA :	PG:_		RQ:
Flash Point	pH 	Reactive Sulfides mg/l	Reactive Cyanides mg/l	Solids
Oil and Grease	тос	Zinc	Copper	Nickel
mg/	mg/l	mg/l	mg/l	mg/l
SECTION 4: Physical and 6	Shamical Data			
SECTION 4: Physical and C	COMPONENTS TABLE		Concentration	on and a deal Units
The material	product consists of the fo	reduction is the extra distribution and control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of	Ranges are acce	a managiri da santita na managiri da managiri da managiri da managiri da managiri da managiri da managiri da m
	empty containers		100	%
İ				
SECTION 5: Safety Related	Data			
	aste requires the use of sp	pecial protective equipme	nt, please explain.	
_	· · · · · · · · · · · · · · · · · · ·			
\nearrow	t d			
- -				·
SECTION 6: Attached Supp	orting Documents		·	
List all documents, note	s, data, and/or analysis at	tached to this form as pa	rt of the waste approval pa	ickage.
vo c	e			
SECTION 7: Incompatibilitie				
Please list all incompati	omues (n' any).			
vor	e			
SECTION 8: Generator's Kr	owledge Documentation			
	ne hazardous waste chara	cteristics, listed below, W	/AS NOT PERFORMED ba	sed upon the
TCLP Metals :	<u>x</u>	·		
TCLP Volatilies :	X			
TCLP Semi-Volatiles :	<u>X</u>			
Reactivity:	X			
And the second		2		

Corro	sivity: <u>x</u>
Ignital	bility: <u>x</u>
SECTIO	ON 9: Waste Receipt Classification Under 40 CFR 437
	material a wastewater or wastewater sludge?
If 'YES	c', complete this section
PLEAS	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matais	Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
_	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
_	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
_	
	ics Subcategory Subpart C Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

Corrosivity:

Wastewater from organic chemical product operations

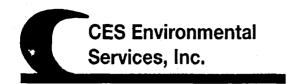
Tank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste sh	ould be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the p excess of the values listed below, the waste should be classified in the metals	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concerning above any of the values listed above, the waste should be classified	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not furni Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a comme concentrations. This will be prior to acceptance. The generator will be responsible	ercial laboratory a sample to determine these
SECTION 11: Generator's Certification	
The information contained herein is based on	knowledge and ability to determine that no nown or suspected hazards have been
Authorized Signature :	Date: <u>7-8-08</u>
Printed Name / Title : /	<u> </u>
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :
Date: 7-8-08 Status: Approved Rejected	
Approval Number: 2872	



1. Base Pricing (including freight):
\$10/ drum
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	



Waste Pre-Acceptance/Approval Letter

Date 7/8/2008

Dear Mary Banks

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2873

Expiration Date 7/8/2010

Generator: Texas Terminals, L.P. **Address:** 15902 Peninsula Blvd.

Houston, TX 77015

Waste Information

Name of Waste: Clayseal plus TCEQ Waste Code #: CESQ2071

Container Type:

Detailed Description of Process Generating Waste:

Unused product

Color: clear to light yellow Odor: amine

pH: 6-8

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. 06/26/2008 10:53

2814573232

JUN-26-2008 09:56

CES ENVIROMENTAL

7137400664

P.002

System 1 processing



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

http://www.casenvironmental.com TCEQ Industrial Solid Waste Permit Number: 30948

SECTION 1:	General	tor Info	matic)D							•					
Company:				ш												
Address:	15902 I			_		_	_						_			
City:	Housto	ח	,		•		State:	TX		Zip:		_			7	7015
Contact:	Eduardo	o Ponc	2			_	.= .	Title:							<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Phone Numb	ber:	2	81.457	.3131				Fax Nu	mber:	281.457	.3232					
24/hr Phone	Numbe	<u>2</u>	81.457	.3131												
US EPA ID No	o:	7	XCESO													
State ID No:		<u>c</u>	ESQG					_ SIC Cod	e:							
SECTION 2: I Company: Address:	BWIng II	nforma	ulen.:	.	Same	as A	Pove									
City:							State:			Zip:						
Contact:				_		—	Atore.	Title:		- L.P.	-					
Phone Numb	ar.							Fax Nur	mber:							
	, G- ,	_				_		_								
SECTION 3:	General	<u>Descri</u>	ption c	f the W	aste											
4. 4		_														
Name of Was		_	layseal		- 111-							_				
Detailed Des	cription	סויו זס ו	icess G	eneratir	ig vva:	ste:										
Unused prod	uct															
					-											
Physical Stat	e:	_	fquid Olid			_	Sludge Filter Cak	e		Powder Combina						
	.							- 1		4						
Color:	Clear Lig	ent Yell	ow_			—		Odor:		<u>Amine</u>		//	_		_	_
Specific Grav	ity (wat	ter≈1):		_		_	1.0	7		Density:	pe	<u>G</u>	bs/ga	1		
Does this ma	iterial c	ontain	any to	al phen	olic co	mpe	?zbnuc		Yes	G	√ No					
Does this ma	terial c	ontaln	suà ba	ra subst	lituted	l phe	nalle con	pounds?			Yes	Ø	No			
Is the Waste	subject	to the	benze	ne was t	e ope	ratio	n NESHAF	? (40 CFR	Part 6	i1, Subpa	rt FF)			Yes	9	No
Answer "Yes"												e follow	ing:			
2812	7	2813		2816	2	819	282	1	2822	28	23	2824		2833	:	2834
2835	:	2836		2841	2	842	284	3	2844	26	51	2851		2865	:	2869
2873	7	2874		2876	2	879	289	1	2892	28	93.	2895		2899		2911
3312	4	4953		4959	9	511										
Layers:	V	Single	-phase	{		Auitì-	phase									
Container Ty	pe:	I	ותוטוני	□ 10	ote		Truck [Other (explair	٦)						
Frequency:	☐ We	ekly [] Mor	nthly [) Yes	ırly 1	☑ One-	Time								

7137468664

P.003

		ous Waste" per npiete, sign and			Yestaus Constitu		No Stached hereto		
	ristic for Toxic		□ D00 □ D01	o	005 D00	□ D003 (Ri	•)
Character	istic for Toxic	Organics: D012	thru D043	(please lis	t all that apply)	_			
		ed waste or mix st ALL applicab		e?	☐ Ye	s {	✓ No		
40 CFR 26	1.33(e) or (f)?	duct or spill de st ALL applicab		vould carr Yes	y a "U" or "P" w ☑ No	este code	under		
	e Waste Code		Nan OCUA	CESQ20			_		
Class:	Us Dribbing	_UN/NA:	non KCKA	PG;	na na	RQ:	UB		
Fla	sh Point	pH		Rea	ctive Sulfides	Reacth	e Cyanides	Sol	id's
	>200	6-8	3	0	mg/l	0	mg/l	1000	
Oll 8	& Grease	TO	C		Zinc	C	opper	Nic	kel
>1500	mr/l	>1500	mr/l	0	mg/l	0	mg/l	0	me/l
SECTION 4		Chemical Data							
								שוואנד	
							or%		
		ydrochioric Acid			1-5				% %
		ropylene glycal				10-30			
		olyalkeneamine			10-30 G-80				<u>%</u>
		water		_			-au		%

CONCENTRATOIN_	DNITS
Ranges are acceptable	or%
1-5	- %
10-30	%
10-30	%
G-80	%
-	
	
	
	
	-
	
	Ranges are acceptable 1-5 10-30 10-30

7137488664 P.004

SECTION 5:							
if the handling	ng of this w	vaste requi	ires the use o	if special protectiv	ve equipment, ple	ase explain.	
standard							
							
							
SECTION 6:							
			d/or analysis	attached to this f	form as part of the	e waste	
approval pac	:kage.	MSDS					
							
·							
SECTION 7: I							
Please list AL	.L incompat	tibilities (If	any):				
Oxidizers						_	
							. — — —
SECTION 8: (d below. WAS NO	T DEREGRAPO	
based upon t	•			•	4 DEION, 1475 110	· (Pin Okiaico	
Danie Opon (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.p general	a, kilotticag				
TCLP Metals:		<u>x</u>					
TCLP Volatile	:2:						
TCLP Semi-Vo	olatiles:	×					
Reactivity:		4					
Carrosivity:							
ignitability:		*					
CECTION ON IN	race Bassis	a Clarifica	alan Hendar Al	CEO 427 /Destala	to Bro.Teantmant	Daguiramants f	or Centralized Waste Treatme
<u>Section 3. vi</u> Eacilities)	(92) & LIECELL	<u>ve enavantea</u>	Court Guidel 45	ACT N S OF THE REAL PROPERTY.	TO THE HEATHER	K-MACE AND COMES I	AL PERIODICA MANAGEMENT
	is this mate	rial a waste	esw 10 1976W	tewater sludge?		YES	✓ NO
			this section.	_			
	PLEASE CHE	CK THE AP	PROPRIATE BO	OX. IF NO APPROPI	RIATE CATEGORY, G	O TO THE NEXT	PAGE.
Metais Subcat	tegory: Sul	bpart A					
			ths and/or slu				
==			ater and sludg	}es			
	Chromate w		low down wat	er and sludges			
	Spent anodi			8, 6,10 3100563			
	Incineration	-					
	Waste Ilquir						
			stes greater t				
님	Waste acids	s and bases	with or witho	ut metals	m electroplating or		Actions
	Vibratory de			ation solutions froi	in electropisting or	Pulozbustilik ob	SI B LIDII 2
				lean metal parts or	equipment		
Ojis Subcatea	iorv: Subpa	ırt B					
	Used oils	•					
==	Oll-water er	mulsions or	· mixtures				
=	Lubricants						
1 1	Coolants	tad season L	ustar dana	n from natralaum a	Auscat		
				p from petraleum s	AMICE?		
		laum rendia	PPE				
	Used petrol		icts				
	Used petrol Oil spill clea Blige water	an-up	icts im petraleum :				

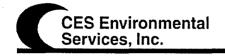
JUN-26-2000 09:57 CES ENVIROMENTAL

7137489664 P.005

Interceptor wastes Off-specification fuels Underground storage remediation waste Tenk clean-out from petroleum or olly sources Non-contact used glycols Aqueous and oll mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Organics Subcategory: Subport C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Approduct waste glycol Wastewater from paint washes Wastewater from a dhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the alls subcategory.
if the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metals Subcategory Olls Subcategory Organics Subcategory
SECTION 10 Additional instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory or sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: Date:
Printed Name/Title: EDVARDO C. TONCE - SAFETY COORDINATOR
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Colon Character Date: 7-8-09 [JApproved] Rejected Approval Number: 2873

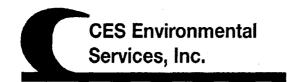


1. Base Pricing (including freight):
10008/ DM 2500 TVWWS +F5C
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
Flash point, pH - Process to System 1
5. Treatment and Handling Protocol:
Class 1 liquids - Process to system 1
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Reco	overed/Recycled (if	applicable):		
				-
i				
8. Management for Prod	uct Recovered/Rec	ycled (if applica	ble)	

Montgomeny County Household Facility



Waste Pre-Acceptance/Approval Letter

Date 7/9/2008

Dear Zac or Dave

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2874

Expiration Date 7/9/2010

Generator: Montgomery County Household Facility

Address: 1130 Pruitt Road

Spring, TX 77380

Waste Information

Name of Waste: Paint waste
TCEQ Waste Code #: CESQ1011

Container Type:

Detailed Description of Process Generating Waste:

Latex paint washwater

Color: varies

Odor: slight

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Profile Haz. Sections not checked yes or No.

Incomplète CES Environmental

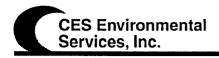
4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Generator l	<u>oformatic</u>	<u>on</u>										
Company:	MONTGOM		VTY PRECIN	іст з									
Address:	1122 PRUIT	TROAD										-	
City:	SPRING				itate:	TX		Zip:			77380	-	
Contact:	BECKY COTT				 	_Title:		COORDIN				-	
Phone Num		281-367				_ Fax Numi	Der:	281-298-	/321			-	
24/hr Phon		281-541 TXCESQ				-							
US EPA ID No:		CESQG				SIC Code:						-	
SECTION 2: Company:	Billing Infor	mation -		me as Al	oove	-						-	
Address:	10707 HON		ROAD										
City:	MONTGOM				itate:	TX		Ziρ:			77316		
Contact:	ZAC MCKAU					_Title:		PRESIDEN	~				
Phone Num	ber:	936-483	-3662			_Fax Numl	ber:	936-756-	1226				
Name of Wa	General Des aste: scription of F	PAINT W	ASTE W	ATER-		LATEX PA	INT \	VASH WA	TER			•	
Physical Sta	te:	Liquid Solid			iludge Filter Cake	e Odor:		Powder Combina	tion Ligh	t			
	vity (water=)		NA	1		-		Density:	NA	8.34	bs/gal		
Does this m	aterial conta	in any to	tal phenoli	c compo	unds?		Yes	⊡) No				
Does this m	aterial conta	in any pa	ra substitu	ited pher	olic comp	Sabnuoc			Yes	[] I	No		
	subject to the									fallow	☐ Yes	J	No
Answer res	•		2816	2819	2821		2822		_	2824	2833		2834
2835			2841	2842	2843		2844			2861	2865		2869
2873			2876	2879	2891		2892			2896	2899		2911
3312			4959	9511	2031	•		203	~	2000	2005		
2112	/ / /		4343	3311									
Layers:	☑ Sing	de-phase		Multi-ç	hase								
Container T	ype: 🗹	Drum	☐ Tota	. 🗆 1	ruck 🗆	Other (ex	plair	1)					
	□ Weekly	☑ Mot	nehly 🔲	Yearly [One-T	ime							

Is this a USEPA "Hazard If "Yes", then please f	ous Waste" per 40CFR 261.: fill out the UHC Form	17	☐ Yes	⊞ No						
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive) Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009 D010 D011 Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)										
	ed waste or mixed with one ist ALL applicable codes:	?	☐ Yes	D∕ No						
40 CFR 261.33(e) or (f)?	duct or spill cleanup that w You You ist ALL applicable codes:		"U" or "P" wa No	ste code under						
Texas State Waste Code Proper US DOT Shipping Class: NA	Number: Name: PAINT WAS UN/NA: NA	CESQ TE NO	101) n-RCRA, NA	NON-DOT HEG	ntated metaid					
Flash Point	DH /	Reacti	ve Sulfides	Reactive Cyanides	Solids					
NA NA	NA reviol	NA	mg/l	NA mg/l	NA %					
Oil & Grease	toc		Zinc	Copper	Nickel					
NA me/	ALA mo/l	414		11	NIA ()					
THAT I MINE!	NA <u>mg/l</u>	NA	mg/l	NA mg/l	NA mg/l					
SECTION 4; Physical and	<u> </u>	NA	mg/I	NA mg/l	NA MEA					
SECTION 4; Physical and	Chemical Data MPONENTS TABLE			CONCENTRATOIN	NA MEZ					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE			CONCENTRATOIN	UNITS					
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SECTION 4. Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
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SECTION 4. Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4. Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4. Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4: Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					
SECTION 4. Physical and COI	Chemical Data MPONENTS TABLE sists of the following materia			CONCENTRATOIN Ranges are acceptable	UNITS or %					

SECTION 5: Safety Related	_	
NONE	e requires the use of special protective equipment, please explain.	
NONE		
		 -
SECTION 6: Attached Supp		
	data and/or analysis attached to this form as part of the waste	
approval package.	ANALYTICAL	
SECTION 7: Incompatibility		
Please list ALL Incompatibil	itiles (If any):	
None Known		
SECTION 8. Generator's K	nowjedge Documentation	
	hazardous waste characteristics, listed below, WAS NOT PERFORMED	
based upon the following a		
TCLP Metals:		0
TCLP Volatiles:		0
TCLP Semi-Volatiles:		0
Reactivity:		0
Corrosivity:		0
Ignitability:		0
SECTION 9: Generator's C		
The Information contained		al data.
	ove and attached description is complete and accurate to the best of	
	to determine that no deliberate or willful omissions of composition	
	Il known or suspected hazards have been disclosed. I certify that the	
materials tested are repres	sentative of all materials described by this document.	11 -
Authorized Signature: /	Date:	7/3/08
Bristod Nome (Title)	CAC MCKAUGHAN / PRESIDENT	7 /
Printed Name/Title:	GE MCKAUGHAN / FRESIDENT	
•		
<u> </u>		
CES USE ONLY (DO NOT W	RITE IN THIS SPACE)	
Compliance Officer:	la la constitución de	
Date: 7-9-08	✓ Approved ☐ Rejected	
Approval Number:	2874	
TAPE OF STREET		



2. Contamination Limit (maximum limit before surchages apply): 3. Surcharge Pricing: 4. Special Testing Requirements: 6. Orward to Newpark 5. Treatment and Handling Protocol: 20 NOT treat in waste water treatment, forward to Newpark	1. Base Pricing (including freight):
3. Surcharge Pricing: 3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	\$65/drum
3. Surcharge Pricing: 3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Surcharge Pricing: 3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Surcharge Pricing: 3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Surcharge Pricing: 3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	2. Contamination Limit (maximum limit before surchages apply):
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
3. Special Testing Requirements: Forward to Newpark 5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	3. Surcharge Pricing:
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	
5. Treatment and Handling Protocol: DO NOT treat in waste water treatment, forward to Newpark	4. Special Testing Requirements:
DO NOT treat in waste water treatment, forward to Newpark	forward to Newpark
DO NOT treat in waste water treatment, forward to Newpark	
DO NOT treat in waste water treatment, forward to Newpark	
DO NOT treat in waste water treatment, forward to Newpark	
DO NOT treat in waste water treatment, forward to Newpark	
	5. Treatment and Handling Protocol:
	DO NOT treat in waste water treatment, forward to Newpark
5. Treated Wastewater Discharge Subcategory:	6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C	Cubestage A. C. Subestage W. D. Cubestage W. C.



7. Tests for Product Reco	overed/Recycled (if appl	licable):	
8. Management for Prod	luct Recovered/Recycle	d (if applicable)	



1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 (281)292-5277 FAX: (281)292-2481

June 27, 2008

ZAC MCKAUGHAN
CKG SERVICES
10707 HONEA EGYPT RD.
MONTGOMERY, TX 77316

REFERENCE:

Dear ZAC MCKAUGHAN:

Enclosed is the analytical Report for the project referenced above. The following sample(s) are included in the report.

M0001

All the holding times were met for the tests performed on these samples. Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

Thank you for selecting A4 SCIENTIFIC for your laboratory needs on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

Christy Westell Accounts Manager



1544 Sawdust Road, Suite 505 The Woodlands, TX 77380 (281) 292-5277 (Fax): (281) 292-2481

ANALYTICAL REPORT

CLIENT PROJECT...: MONTGOMERY CTY PAINT WASH CLIENT PROJECT NUMBER...:

Prepared For:

CKG SERVICES 10707 HONEA EGYPT RD. MONTGOMERY, TX 77316

ATTENTION: ZAC MCKAUGHAN

Date: 06/27/2008

essies Schulz Pakan

LAB EPISODE NUMBER: 9162

Date Received....: 06/12/2008

Lab Project ID...: MONTGOMERY CTY (281) 292-5277

Reddy Pakanati

Laboratory Manager

pakanati@a4scientific.com

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A4 S	$^{\circ}$		
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	-		
	~ • •		7 - 7 - 7

Chain of Custody Record

COC NO. 91102

1544 Sawdust Road, Suite 505 · The Woodlands, TX 77880 (281) 292-5277 · FAX: (281) 292-2481 · www.s4ccientific.com

ab Project No.

Client Name / Address:					Project Manag Phone Numbe	98c Z	cre M	cle	1CU	sh cr	ea	Se	nd Report to	CEG	
Project Number: Samplers (Signature)	Pro	Monty.	OMen (Complet	lecycle)					17	10/	//	1//		For Lab Use Only
Client Sample (2)	Date	Times		Hation Location		Number of Containers	Matrix			70	7	/,	//	Client Remarks	Lab Sample IO
000(6/11	1:30				4	Land	-		1		1			.01
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	}			<u> </u>			 	-				-	-		
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						-	-	-	-				- 		
Relinquished by (Signature)		4	Cate/Time	Received by (Sign		<u> </u>	Ī	Date/	Time		Lab R	temari	s:		
Redinquished by (Sharature)			4 2:11 Date/Time	Pregarved for Labor	NA NA	p(cire)	leu	Coste /	Time 21#	49	n				
Method of Shipment: Distribution: Original according							. · · [<u> </u>				

SAMPLE LOG-IN CHECKLIST/DISCREPANCY REPORT

01.0			
EPISODE #: 91102 DATE/REC'D: LOUICE TEMP	νω Α(1/1 : σι & ·	*Ken in	للحمص
CLIENT NAME: CLOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOSOS	°&D: 1) <u>UA</u> # }	Tho	YC
PROJECT NAME: MARIET WOLL FOT3)	3)#		
PROJECT NUMBER: 1000	4) #		
	¬)		
#AQUEOUS, #SOIL SAMPLES	5) #		~ ~~~
COURTER/AIRBILL # LOCA COCCA	6)#		
SAMPLE CONTAINER SEALS: present absent intact broken COOLER CUSTODY SEALS: present absent intact broken	AME & DATE:		
HOW MANY AND WHERE			
Were samples screened for radioactivity?	· · · · · · · · · · · · · · · · · · ·	YES	(NO)
Chain-of-custody present?		1,110	(140)
Custody documents: Sealed in a plastic bag?			L
Signed and dated by field personnel	···		
Filled out properly in indelable ink?			
Signed and dated by log-in personnel?		1	
Container Condition: Each containers sealed in a separate plastic bag?			
Labels complete (ID, date, time, signature, preservative, etc.)?			
Labels agree with chain-of-custody?		A 124	
Received without leakage or breakage? If no, list:		1011	
Correct quantity indicated on chain-of-custody?			
Sample Integrity: Correct containers used for the test indicated? If no, list:			
Correct preservatives added to the samples? If no, list:			
Sufficient sample amount sent for the tests indicated? If no, list			
		THE THE PERSON NAMED IN	
VOA vials filled completely? If no, list:		104	
Aqueous volatiles samples preserved? If no, list:		<i>W</i> #	
Descrepancy Report:	· · · · · · · · · · · · · · · · · · ·		
Discepancies to be discussed with the client?			
Project Manager's recommendations?	5 Costo Cire	<u></u>	
Date: Who was notified? Con By whom?)		
Client's comments:			
Corrective actions carried out?			
COMMENTS:			
For those short holding time and fast turn-around parameters, has a Rush Notifica	tion sheet been issued		
to the lab?	1 111		
	ATE: LQ/II/CE	ــــــــــــــــــــــــــــــــــــــ	-
A 4 Scientific, Inc.			

A4 Scientific, Inc. 1544 Sawdust Road, Sulte 505 The Woodlands, TX 77380



Sample Log-In Report

1544 Sawdust Road, Suite 505 The Woodlands, TX 77380

Ladded By:

Chent Name: CKG SERVICES

Client Protect Name: MONTGOMERY CTY PAINT WASH

ClientProject #:

Courier/No.:

P.O. No.:

Lab Project ID: MONTGOMERY CTY PAINT WASH

Date Logged: 06/12/08 Data Received: 06/12/08

Thre Received: 10:42

Report Date: 07/02/2008 14:22:25

Sand Report To..

ZAC NCKAUGRAN 10707 HONEA EGYPT RD.

MONTGOMERY

TX

77316

CASE

Sample ID Client Sample ID

3162.001 0001

Time Chain 31

Sampled Serspied Custody No. 1 LTOUID 06/11/08 13:30 9162

Tests Required

Date Due

Bemarks

PAINT WASH

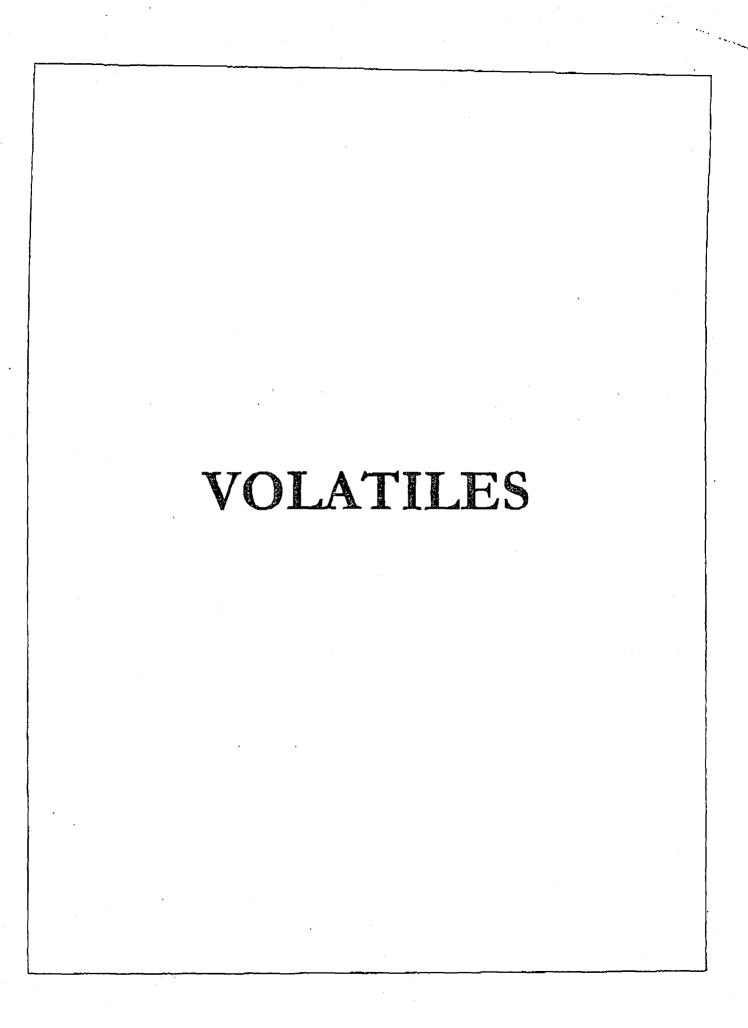
MET_TOTAL_RCRAMETALS+Be+Ni+Sb 06/17/08 VOA8260B-LOW+TIC-TERP 06/17/08

Instructions To Lab:

EPAHO106001242

WASTE SAMPLE - NO % MOISTURE

** SEMI-VOLATILES NOT RUN DO TO THE MATRIX OF THE SAMPLE ***





· 1996年第二年第二日第二

1544 Sawdust Road, Sulte 505 The Woodlands, TX 77380

Page 1 of 3

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME

: CKG SERVICES

CLIENT SAMPLE ID : 0001

PROJECT NAME PROJECT NUMBER

: MONTGOMERY CTY PAINT WASH

LAB SAMPLE ID

: 9162.001 METHOD REFERENCE : SW846-8260B

DATE SAMPLED SAMPLE MATRIX

: 06/11/2008

DATE RECEIVED

PRINTED ON

: 06/12/2008 : 07/01/2008

18:06

ANALYST

: NM

DATE ANALYZED

DILUTION

: 50

INSTRUMENT FILE : H3095

: 06/24/08

INSTRUMENT ID .

: H~5975

: rionip

PURGE VOLUME

TIME ANALYZED

: 17:47

: 25 mL

PARAMETER	: QUANTITATION	LIMIT	RESU	QUALIFIER	
1,1,1,2-Tetrachloroethane	50	UG/L	ND	UG/L	
1,1,1-Trichloroethane	50	UG/L .	MD	UG/L	
1,1,2,2-Tetrachloroethane	50	UG/L	ND	UG/L	
1, 1. 2-Trichloroethane	50	UG/L	Da	UG/L	
1,1-Dichloroethane	50	UG/L	ND	UG/L	1
1,1-Dichloroethene	50	UG/L	ND	UG/L	
1,1~Dichloropropene	50	DC/L	ди	UG/L	
1,2,3-Trichlorobenzene	50	UG/L	ND	UG/L	·
1,2,3-Trichloropropane	50	UG/L	61	UG/L	
1,2,4-Trichlorobenzene	50	DG/L	ИД	UG/L	
1,2,4-Trimethylbenzens	50	UG/L	80	UG/L	1
1,2-Dibromo-3-chloropropane	50	UG/L	ND	DG/L	1
1,2-Dibromoethane	50	OG/L	ND	OG/L	<u> </u>
1,2-Dichlorobenzene	50	UG/L	DA	UG/L	
1,2-Dicbloroethane	50	UG/L	ND	UG/L	
1,2-Dichloropropane	50	UG/L	ND	UG/L	
1,3,5-Trimethylbenzene	50	UG/L	ND	UG/L	
1,3-Dichlorobenzene	50	UG/L	ND	UG/L	
1.3-Dichloropropane	50	UG/L	120	DG/L	
1,4~Dichlorobenzene	50	UG/L	ND	UG/L	
1-Chlorchexane	50	UG/L	ŊD	UG/L	
2,2-Dichloropropane	50	UG/L	ND	UG/L	
2-Butanone	250	UG/L	ND	UG/L	
2-Chlorotoluene	50	UG/L	ND	UG/L	
2-Hexanone	250	UG/L	ND	UG/L	<u> </u>
4-Chlorotoluene	50	UG/L	ИD	UG/L	Ī
4-Methyl-2-pentanone	250	UG/L	ŅD	UG/L	
Acetone	250	UG/L	ND	UG/L	1
Benzene	50	UG/L	ND	DG/L	
Bromobenzene	50	UG/L	ND	UG/L	T -
Bromochloromethane	50	DG/L	ND	UG/L	
Bromodichloromethans	50	UG/L	MD	UG/L	
Bromoform	50	UG/L	MD	UG/L	1
Bromomethane	50	DG/L	ND	UG/L	1



Page Z of 3

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME

: CKG SERVICES

CLIENT SAMPLE ID : 0001

PROJECT NAME

: MONTGOMERY CTY PAINT WASH

: LIQUID

LAB SAMPLE ID. : 9162.001

PROJECT NUMBER :

METHOD REFERENCE : 5W846-8260B

DATE SAMPLED SAMPLE MATRIX

: 06/12/2008

DATE RECEIVED : 06/12/2008

PRINTED ON

: 07/01/2008

18:06

Parameter	QUANTITATION LIMI	T RES	ULTS	QUALIFIER
Carbon tetrachloride	50	UG/L	ND	UG/L
Chlorobenzene	50	UG/L	ди	UG/L
Chloroethane .	. 50	UG/L	QM	UG/L
Chloroform	50	UG/L	ND	UG/L
Thloromethane	50	UG/L	ND	UG/L
is-1,2-Dichloroethene	50	UG/L	ND	UG/L
cis-1,3-Dichloropropene	50	UG/L	ND	UG/L
Dibromochloromethane	50	UG/L	ND	UG/L
Dibromomethane	50	UG/L	ND	UG/L
Dichlorodifluoromethane	50	UG/L	ND	UG/L
Ethylbenzene	50	UG/L	70	UG/L
Hexachlorobutadiene	50	UG/L	DU	UG/L
Isopropylbenzene	50	UG/L	ND	UG/L
fethyl tert-butyl ether	50	UG/L	ND	UG/L
Nethylene chloride	50	UG/L	ND	UG/L
n-Butylbenzene	50	UG/L	MD	UG/L
n-Propylbenzene	50	UG/L	ИD	UG/L
Naphthalene	50	UG/L	ND	UG/L
p-Isopropyltoluene	- 50	ŲĢ/L	ND	DG/L
sec-Butylbenzene	50	UG/L	ND	UG/L
Styrene	50	UG/L	ИD	UG/L
tert-Butylbenzene	50	UG/L	ND	UG/L
Tetrachloroethene	50	UG/L	ND	DG/T
Toluene	50	UG/L	MD	UG/L
trans-1,2-Dichloroethene	50	UG/L	ИЙ	UG/L
trans-1,3-Dichloropropene	50	UG/L	ND	UG/L
Trichloroethene	50	UG/L	ND	UG/L
Trichlorofluoromethans	50	UG/L	ND	UG/L
Vinyl chloride	50	UG/L	ND	UG/L
Xylene (total)	50	UG/L	370	UG/L

QUALIT	Y CONTROL DATA		
SURROGATE COMPOUND	SPIRE ADDED	QC RECOVERY LIMITS	RECOVERY
4-Bromofluorobenzene	500 UG/L	75 - 125	94
Dibromofluoromethane	500 UG/L	75 - 131	93



Page 3 of 3

LABORATORY REPORT

VOLATILES BY GCMS

CLIENT NAME

: CKG SERVICES

CLIENT SAMPLE ID : 0001

PROJECT NAME

: MONTGOMERY CTY PAINT WASH

LAB SAMPLE ID

: 9162.001

PROJECT NUMBER

METHOD REFERENCE : SW646-8260B

DATE SAMPLED SAMPLE MATRIX : 06/11/2008 : LIQUID

DATE RECEIVED PRINTED ON

: 06/12/200B : 07/01/2008

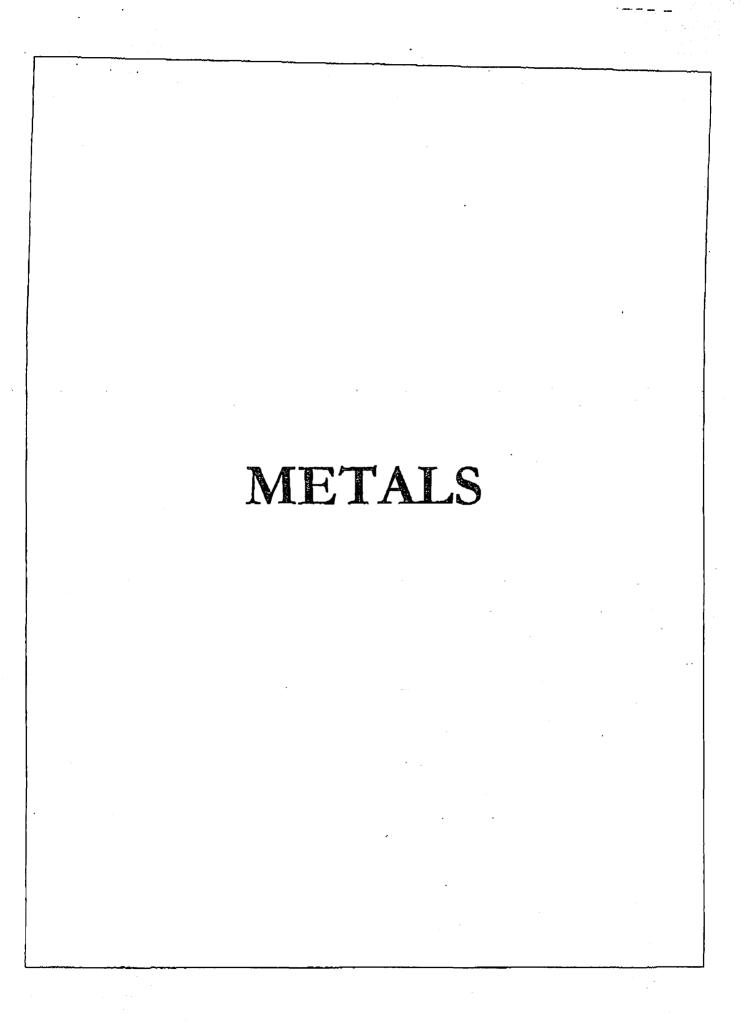
18:06

QUALITY CONTROL DATA

Toluene-d8

1,2-Dichloroethane-d4

300 UG/L 500 UG/L 68 - 125 62 - 139 101 86





The Woodlands, TX 77380 1544 Sawdust Road, Suite 505

Page 1 of 1

LABORATORY REPORT

TOTAL METALS

CLIENT NAME

: CKG SERVICES

CLIENT SAMPLE ID : 0001

: 9162.001

PROJECT NAME

: MONTGOMERY CTY PAINT WASH

LAB SAMPLE ID DATE RECEIVED

: 06/12/2008

PROJECT NUMBER

PRINTED ON

: 07/01/2008

DATE SAMPLED SAMPLE MATRIX

: 05/11/2008 : LIQUID

* MOISTURE

9 18:16

			DATE	DILU-	QUANTITATION		ANA-
ANALYTE	METHOD	PREPARED	ANALYZED	LIOM -	LIMIT	RESULT. Q	LYST
Antimony, Total	SW846-5010B	06/18/08	06/23/08	\$	0.025 HG/L	0.0685 MG/L	MP
Arsenic, fotal	SW846-6010B	06/18/08	06/23/08	\$	0.025 MG/L	ND MG/L	MP
Barium, Total	3W846-6010B	06/18/08	06/23/08	5	0.05 MG/L	0.605 MG/L	MP
Beryllium, Total	SW846-6010B	06/18/08	06/23/08	5	0.025 MG/L	ND MG/L	MP
Cadmium, Total	SW846-6010B	06/18/08	06/23/08	5	0.005 MG/L	ND MG/L	MP
Chromium, Total	\$W846-6010B	06/18/08	06/23/08	5	0.05 MG/L	ND MG/L	MP
Lead, Total	SW846-6010B	06/18/08	06/23/08	5	0.015 MG/L	ND MG/L	MP
Mercury, Total	SW816-7470A	06/20/08	06/20/08	10	0.0025 MG/L	ND MG/L	SP
Nickel, Total	SW846-6010B	06/18/08	06/23/08	5	0.05 MG/L	ND MG/L	ME
Selenium, Total	SW346-6010B	06/18/08	06/23/08	5	0.025 MG/L	ND MG/L	MP
Silver, Total	SW846-6010B	06/18/08	06/23/08	5	0.025 MG/L	ND MG/L	MP

QUALITY CONTROL DATA



Page 1 of 3

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME :

PROJECT NAME

project number

DATE SAMPLED

SAMPLE MATRIX

:

: LIQUID

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID : HVBLKMT

METHOD REFERENCE : SW846-8260B

DATE RECEIVED

PRINTED ON

: 06/26/2008

14:22

analyst Dilution

: MM ; J. DATE ANALYZED

: 06/24/08

INSTRUMENT FILE : 83089

: H3069

INSTRUMENT ID

: H-5975 : 14:19 PURGE VOLUME

: 25 ML

PARAMETER	. : QUANTITATION	LIMIT	RESU	LTS	QUALIFIER
1,1,1,2-Tetrachloroethane	1.0	UG/L	ИD	UG/L	
1,1,1-Trichlorcethane	1.0	DG/L	ND	UG/L	
1,1,2,2-Tetrachloroethane	1.0	UG/L	Ир	UG/L	
1,1,2-Trichloroethane	1.0	UG/L	ND	UG/L	
1,1-Dichloroethane	1.0	UG/L	ND	UG/L	
1,1-Dichloroethene	1.0	ÚG/L	CIN	UG/L	
l,1-Dichloropropens	1.0	UG/L	СИ	UG/L	
1,2,3-Trichlorobenzene	1.0	UG/L	ND	UG/L	
1,2,3-Trichloropropane	1.0	UG/L	GK	UG/L	
1,2,4-Trichlorobenzene	1.0	UG/L	ND	UG/L	
1,2,4-Trimethylbenzene	1.0	UG/L	ND	UG/L	
1,2-Dibromo-3-chloropropane	1.0	UG/L	ND	UG/L	
1,2-Dibromoethane	1.0	UG/L	ND CIN	UG/L	
1,2-Dichlorobenzene	1.0	UG/L	Q.N.	UG/L	
1,2-Dichloroethane	1.0	UG/L	DN	UG/L	
1,2-Dichloropropane	1.0	UG/L	ND	UG/L	
1,3,5~Trimethylbenzene	1.0	UG/L	ND	UG/L	
1,3-Dichlorobenzene	1.0	UG/L	QI/J	UG/L	
1,3-Dichloropropane	1.0	UG/L	MD	UG/L	
1,4-Dichlorobenzene	1.0	UG/L	DO	ng/T	
1-Chlorohexane	1.0	UG/L	ND	UG/L	
2,2-Dichloropropane	1.0	UG/L	ND	UG/L	
2-Butanone	5.0	UG/L	ND	UG/L	
2-Chlorotoluene	1.0	UG/L	ND	UG/L	
2-Hexanone	5.0	UG/L	ND	UG/1	
4-Chlorotoluene	1.0	UG/L	ND	UG/L	
4-Methyl-2-pentanone	5.0	UG/L	ND	UG/L	
Acetone	5.0	GG\r	ND	UG/L	
Benzenè	1.0	UG/L	ND	UG/L	
Bromobenzene	1.0	UG/L	ND	UG/L	
Bromochloromethane	1.0	UG/L	DN	UG/L	
Bromodichloromethane	1.0	UG/L	ND	UG/L	
Bromoform	1.0	ŬĢ/ī	ND	UG/L	
Bromomethane	1.0	UG/L	ND	UG/L	



Page 2 of 3

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME

PROJECT NAME PROJECT NUMBER DATE SAMPLED

SAMPLE MATRIX

: LIQUID

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID

: HVBLKMT METHOD REFERENCE : SW846-8260B

DATE RECEIVED

PRINTED ON

: 06/26/2008

14:22

Carbon tetrachloride	1.0	UG/L	ND	UG/L	
Chlorobenzene	1.0	UG/L	ND	UG/L	·/
Chloroethane	1.0	UG/L	מע	UG/L	
Chloroform	1.0	UG/L	ND	UG/L	
Chloromethane	1.0	UG/L	ND	UG/L	
cis-1,2-Dichloroethene	1.0	UG/L	ND	UG/L	
cis-1,3-Dichloropropene	1.0	UG/L	ND	UG/L	
Dibromochloromethane	1.0	UG/L	ND	UG/L	
Dibromomethane	1.0	UG/L	ממ	UG/L	·
Dichlorodifluoromethane	1.0	UG/L	ND	UG/L	
Ethylbenzene	1.0	UG/L	ND	OG/L	
Hexachlorobutadiene	1.0	UG/L	ND	UG/L	
Isopropylbenzene	1.0	UG/L	ND	UG/L	
Methyl tert-butyl ether	1.0	UG/L	MD	UG/L	
Methylene chloride	1.0	UG/L	ND	UG/L	
n-Butylbenzene	1.0	UG/L	QM	UG/L	
n-Propylbenzene	1.0	UG/L	ND.	UG/L	
Naphthalene	1.0	UG/L	ND	UG/L	
p-Isopropyltoluene	1.0	UG/L	מא	UG/L	
sec-Butylbenzene	1.0	UG/L	ND	UG/L	
Styrene	1.0	UG/L	ND	UG/L	
tert-Butylbenzene	1.0	UG/L	ND	UG/L	
Tetrachloroethene	1.0	UG/L	IAD	UG/L	~~~~
Poluene	1.0	UG/L	ND	UG/L	
trans-1,2-Dichloroethene	1.0	UG/L	ND	UG/L	
rans-1,3-Dichloropropene	1.0	ng/r	ND	UG/L	
Trichloroethene	1.0	UG/L	ŅD	UG/L	-
Frichlorofluoromethane	1.0	UG/L	ØØ	UG/L	
Vinyl chloride	1.0	ng/ŗ	DD	OQ/T	
(ylene (total)	1.0	UG/L	ND	UG/L	

QUALITY CONTROL DATA							
SURROGATE COMPOUND	SPIKE ADDED	QC RECOVERY LIMITS	*RECOVERY				
4-Bromofluorobenzene	10 VG/L	75 - 125	95				
Dibromofluoromethane	10 UG/L	75 - 131	99				



Page 3 of 3

LABORATORY REPORT

VOLATILES BY GC/MS

CLIENT NAME PROJECT NAME

PROJECT NUMBER

DATE SAMPLED SAMPLE MATRIX

: riguio

CLIENT SAMPLE ID : Prop Blank

LAB SAMPLE ID : HVBLKMT METHOD REFERENCE : 54846-8260B

DATE RECEIVED

PRINTED ON

: 06/26/2008

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Toluene-d8		10	UG/L	6

1,2-Dichloroethane-d4

10 OG/L

68 - 125 62 - 139

104 90



Page 1 of 3

LCS/LCSD SUMMARY REPORT

VOLATILES BY GC/MS

CLIENT NAME PROJECT NAME

PROJECT NUMBER

DATE RECEIVED

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:06/26/2008

14:22

SAMPLE MATRIX

dindir:

LAB CONTROL SAMPLE

LCS SAMPLE ID HVLCSMT

CLIENT SAMPLE ID :

DATE ANALYZED :06/24/08.

INSTRUMENT FILE : H3090

METHOD REFERENCE : SW846-82608

LAB CONTROL SAMPLE DUFLICATE

LCSD SAMPLE ID

CLIENT SAMPLE ID :

DATE ANALYZED

· INSTRUMENT FILE ;

			LCSD LCS LCSD		man gradina (manada pada
PARAMETER		* 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1	the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	D RECOVERY RECOVERY	RPD QC LIMIT
PARAMETER 1,1,1,2-Tetrachlorogthane	UNITS UG/L	VALUE	VALUE VALUE VALUE	109	RPD LIMIT REC. 20 70 - 13
1,1,1-Trichloroechane	UG/L	10.0	11.0	110	20 67 - 13
1.1.2.2-Tetrschlorosthane	UG/L	10.0	10.0	100	20 63 - 12
1,1,2~Trichlorgethane	DG/L	10.0	11.0	120	20 70 - 13
1.1-Dichloroethane	UG/L	10.0	11.0	110	20 69 - 13
1.1-Dichloroethene	UG/L	10.0	11.3	113	20 68 - 13
1,1-Dichloropropene	UG/L	10.0	11.1	111	20 70 - 13
1,2,3-Trichlorobenzene	UG/L	10.0	10.6	106	20 67 - 13
1,2,3-Trichloropropane	UG/L	10.0	8.47	85	20 70 - 130
1,2,4-Trichloropenzens	OG/L	10.0	10-8	103	20 66 - 13
1,2,4-Trimethylbenzens	US/L	10,0	11.7	13.7	20 70 - 130
1,2-Dibromo-3-chloropropane	UG/I	10.0	9.69	97	20 50 - 13
1,2~Dibromoethane	UG/L	10.0	10,8	108	20 70 - 130
1,2-Dichlorobenzene	UG/L	10.0	11.0	110	20 70 - 130
1,2-Dichloroethane	UĠ/L	10,0	10,8	108	20 69 - 13
1,2-Dichloropropane	UG/L	10.0	10.8	108	20 70 - 130
1,3,5-Trimethylbenzene	UG/L	10.0	11.5	115	20 70 - 130
1,3-Dichlorobanzane	UG/L	10.0	11.0	710	20 70 ~ 1.30
1,3-Dichloropropena	0G/L	10.0	11.7	117	20 70 - 130
1,4-Dichlorobenzene	· UG/L	10.0	11.2	112	20 75 - 130
l-Chlorohexans	UG/L	10.0	11.0	110	20 70 - 130
2,2-Dichloropropans	UG/1	λ0.0	11.0	110	20 69 - 13
2-Bucanona	UG/L	50.0	51.7	103	20 49 - 130
2~Chlorotoluene	UG/I,	10.0	11.0	110	20 70 - 130
2-Hexanone	UG/L	50.0	50.4	101	26 61 - 14
4-Chlorotoluene	VG/L	10.0	11.0	110	20 70 - 130
4-Methyl-2-pentanone	UG/L	50.0	51.4	103	20 61 - 145
Acetone	VG/L	50.0	51.2	102	20 40 - 135
geusaba	UG/L	10.0	11.2	112	20 70 - 130
sues uedomoze	VG/L	10.0	10.6	106	20 70 - 130
3romochloromethane	UG/L	10.0	11.3	113	20 65 - 129
Promodichloromethane	UG/L	10.0	21.1	111	20 61 - 145
Scomoform	UG/L	10.0	10.2	102	20 61 - 145
Bromomethane	UG/L	10.0	13.3	133	20 61 - 145



Page 2 of 3

LCS/LCSD SUMMARY REPORT

VOLATILES BY GC/MS

CLIENT NAME PROJECT NAME

PROJECT NUMBER

SAMPLE MATRIX

LIQUID

LAB CONTROL SAMPLE

LCS SAMPLE ID

CLIENT SAMPLE ID ;

DATE ANALYSED ;06/24/08

INSTRUMENT FILE : H3090

DATE RECEIVED

PRINTED ON

-06/25/2008

14:22

METHOD REFERENCE : SW866-8260B

LAB CONTROL SAMPLE DUPLICATE

LCSD SAMPLE ID :

CLIENT SAMPLE ID :

DATE ANALYSED

INSTRUMENT FILE .

ANDIRONENI EILE ERSOSO		· ·	INSTRUMENT FILE			
Parameter	units	LCS TRUE VALUE	LCSD LCS TRUE FOUND VALUE VALUE	LCSD LCS LCSD FOUND RECOVERY RECOVERY VALUE (%) (%)	RPD LIMIT REC	
Carbon tetrachloride	UG/L	10.0	11.2	112	20 61 - 145	
Chlorobenzene	UG/L	10.0	11.3	113	20 56 - 130	
Chloroethane	UG/L	10.0	13.6	136 *	20 58 - 133	
Chloroform	UG/L	10.0	11.3	113	20 69 - 128	
Chloromethane	UG/L	10.0	11.4	114	20 56~131	
cis-1,2-Dichloroethene	UG/L	10.0	11.4	174	20 70 - 130	
cis-1,3-Dichloropropene	UG/L	10.0	10.9	109	20 69 - 131	
Dibromochloromethane	UG/L	10.0	11.0	110	20 66 - 133	
Dibromomethane	UG/L	20.0	10.9	109	20 70 - 130	
Dichlorodifluoromethane	UG/L	10.0	11.5	115	20 53 - 153	
Echylbenzene	UG/L	10.0	11.6	116	20 70 - 130	
Hexachlorobutadiene	UG/L	10.0	11.8	118	20 67 - 131	
Isopropylbenzene	UG/L	10.0	11.6	116	20 70 - 130	
Methyl tert-butyl ether	UG/L	10.0	10.3	103	20 69 ~ 123	
Methylene chloride	UG/L	. 10.0	9.55	96	20 63 - 137	
n-Butylbenzene	UG/L	10.0	12.0	120	20 69 - 137	
n-Propylbenzene	UG/L	10.0	11.6	116	20 70 - 130	
Naphthalene	UG/L	10.0	9.50	95	20 54 - 138	
p-Isopropylcoluene	UG/L	10.0	10.2	101	20 70 - 130	
sec-Butylbenzene	UG/L	10.0	11.0	110	20 70 - 130	
Styrene	UG/L	10.0	11.3	113	20 65 - 134	
tert-Butylbenzens	UG/L	10.0	11.7	117	20 70 - 129	
Tetrachloroethene	UG/L	10,0	11.3	113	20 66 - 128	
Toluene	ひる/と	10.0	λ1.5	115	20 70 - 130	
trans-1,2-Dichlorosthene	UG/L	10.0	11.2	112	20 63 - 137	
trans-1,3-Dichloxopropene	GG/L	10.0	10.8	108	20 59 - 135	
Trichloroethene	UG/L	10.0	11.1	111	20 70 - 127	
Trichlorofluoromethane	UG/L	10.0	12.6	126	20 57 - 129	
Vinyl chloride	UG/L	10.0	11.7	117	20 50 - 134	
Xylene (total)	UG/L	30.0	35-1	117	20 70 - 130	

[·] Indicate values outside of QC limits

O out of O outside limits

1 out of 64 outside limits



Page 3 of 3

LCS/LC6D	SUMMARY	REPORT
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CLIENT NAME	;	DATE RECEIVED :
Project Name	:	PRINTED ON :06/26/2008 14:2
PROJECT NUMBER		
AMPLE MATRIX	FIGUID	METHOD REFERENCE : 54846-82608
AB CONTROL SAMP	ř e	LAB CONTROL SAMPLE DUPLICATE
LCS SAMPLE ID	HVLCSHI	LCSD SAMPLE ID :
CLIENT SAMPLE ID	:	CLIENT SAMPLE ID ;
DATE ANALYZED	:06/24/0B	DATE ANALYZED
INSTRUMENT FILE	- ИЗО90	INSTRUMENT FILE :



: LIQUID

The Woodlands, TX 77380 1544 Sawdust Road, Suite 505

Page 1 of 1

LABORATORY REPORT

TOTAL METALS

CLIENT NAME

PROJECT NAME

PROJECT NUMBER

DATE SAMPLED

SAMPLE MATRIX

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID

: ICPBLKI4A

DATE RECEIVED

PRINTED ON

: 06/25/2008

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MOISTURE		
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analyte	METHOD	DATE	The state of the state of	DILU- TION	OUANTITATION LIMIT	RESULT	ANA- Q Lyst
Antimony, Total	SW846-6010B	06/18/08	GEOLOGIC STORY	1	0.005 MG/L	nd mg/l	MP
Arsenic, Total	SW846-6010B	06/18/08	06/23/08	ī	0.005 MG/L	ND MG/L	MP
Barium, Total	SW846-6010B	06/18/08	06/23/08	1	0.01 MG/L	ND MG/L	MP
Beryllium, Total	SW846-6010B	06/18/08	06/23/08	1	0.005 MG/L	ND MG/L	MR
Cadmium, Total	SWE46-6010E	06/18/08	06/23/08	1	0.001 MG/L	ND MG/L	MP
Chromium, Total	SW846-6010B	06/18/08	06/23/08	1	0.01 MG/L	ND MG/L	MP
Lead, Total	SW846-6010B	06/18/08	06/23/08	1	0.003 MG/L	NO MG/L	MP
Nickel, Total	SW846-6010B	06/18/08	06/23/08	1	0.01 MG/L	ND MG/L	ME
Selenium, Total	SW846-6010B	06/18/08	06/23/08	1	0.005 MG/L	ND MG/L	MP
Silver, Total	SW846-6010B	06/18/08	06/23/08	1	0.005 MG/L	ND MG/L	MP



The Woodlands, TX 77380 1544 Sawdust Road, Suite 505

Page 1 of 1

LABORATORY REPORT

TOTAL METALS AND A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE

CLIENT SAMPLE ID : Prep Blank

LAB SAMPLE ID : HGBLK09

DATE RECEIVED

; : 06/25/2008

11:49

PROJECT NUMBER DATE SAMPLED SAMPLE MATRIX

CLIENT NAME

PROJECT NAME

: LIQUID

Printed on

% MOISTURE .

		DILU- QUANTITATION	
ANALYTE	PREPARED ANALYZED		
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			المستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والمستنف والم
	06/20/08 06/20/08	1 0.0002 MG/t.	110 110 1
Mercury, Total 30846-7470A	06/20/08 06/20/08	1 0.0002 MG/t.	ND MG/L SP
		1	



Page 1 of 1

LCS/LCSD SUMMARY REPORT

TOTAL METALS CLIENT NAME DATE RECEIVED PROJECT NAME PRINTED ON :06/25/2008 PROJECT NUMBER SAMPLE MATRIX Fionto LAB CONTROL SAMPLE LAB CONTROL SAMPLE DUPLICATE LCS SAMPLE ID LCSD SAMPLE ID ; HGLCS09 CLIENT SAMPLE ID : CLIENT SAMPLE ID :

- (Les :	LESU LES LES PROE FOUND FOU	D. I.Ca	CAD'	DN ACT THE TR
COMPOUND	REFERENCE UNITS	VALUE	VALUE VALUE VAL	UE (8)	e, kpc Li	AIT REC.
Mercury, Total	54846-7470A MG/L	0.0012	0.0014	117		30 80 - 120

[.] Indicate values outside of QC limits

D ; 0 out of 0 outside limits

Spike Recovery : 0 out of 1 outside limits



Page 1 of 1

LCS/LCSD SUMMARY REPORT

TOTAL METALS

CLIENT NAME

PROJECT NAME

PROJECT NUMBER

SAMPLE MATRIX

LIQUID

LAB CONTROL SAMPLE

LCS SAMPLE ID : ICPLCSIGA

GLIENT SAMPLE ID :

DATE RECEIVED PRINTED ON

:06/25/2008

11:49

LAB CONTROL SAMPLE DUPLICATE

LCSD SAMPLE ID :

CLIENT SAMPLE ID :

	METHOD			The Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	LCSD: LCS LCSD FOUND RECOVERY RECOVE		OC LINITS
COMPOUND	- REFERENCE	UNITS		CONTROL OF BUILDING A LINE OF SHIP	VALUE (%) (%)	and a war of the first section of the	7. 3 - 1 3 5 5 3 7 1
Antimony, Total	SW846-6010B	MG/L	1.250	1.190	95	20	80 - 120
Arsenic, Total	SW846-6010B	MG/L	0.250	0.210	84	20	80 - 120
Bartum, Total	8W846-6010B	MG/L	5.00	4.86	97	20	80 - 120
Beryllium, Total	\$W846-6010B	HG/L	0.1250	0.1190	95	20	80 - 120
Cadmium, Total	SW8 4 6-60 109	MG/L	0.125	0.123	98	20	80 - 120
Chromium, Total	5W846-6010B	MG/L	0.500	0.480	96	20	80 ~ 120
Lead, Potal	SW846-6010B	MG/L	0.2500	0.2200	B6	20	80 - 120
Nickel, Total	SW846~6010B	MG/L	1.25	1.22	98	20	80 - 120
Selenium. Total	SW846-6010B	MG/L	0.2500	0.2300	92	20	80 - 120
Silver, Total	\$4846-6010B	MG/L	0.625	0.621	99	20	80 - 120

^{*} Indicate values outside of QC limits

RPD

0 out of 0 outside limits

Spike Recovery :

0 out of 10 outside limits



Page 1 of 1

MS/MSD SUMMARY REPORT

TOTAL METALS

CLIENT NAME

CKG SERVICES

PROJECT NAME

: MONTGOMERY CTY PAINT WASH

DATE RECEIVED PRINTED ON

: 06/12/2008 : 06/25/2008

11:49

PROJECT NUMBER SAMPLE MATRIX

SAMPLE

LIQUID

SAMPLE ID

9162.001

MATRIX SPIKE MS SAMPLE ID

9162.001MS

MSD SAMPLE ID 9162.001MSD

CLIENT SAMPLE ID : 0001

CLIENT SAMPLE ID : 0001MS

CLIENT SAMPLE ID : 0001M5D

MATRIX SPIKE DUPLICATE

COMPOUND	HETHOD	MS MSD RE C. CONG CONG (COVER RECOVER	RPD	CC LIMIT
Mercury, Total	59846-7470A HG/L	 0 3.0014 3.0012	117 100	15.7 3	0 75 - 125

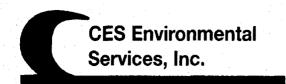
* Indicate values outside of QC limits

O out of 1 outside limits

Spike Recovery :

0 out of 2 outside limits





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/9/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2876

Expiration Date 7/9/2010

Generator: Green Hunter Biofuels **Address:** 13605 Industrial Blvd

Houston, TX 77015

Waste Information

Name of Waste: Neutralized sulfuric acid

TCEQ Waste Code #: CESQ1041

Container Type:

Detailed Description of Process Generating Waste: Sulfuric acid spilled into a sump and was neutralized

Color: clear/brown

Odor: mild

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. DRP waste Woder.

CES Environmental Services, Inc.

+904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

		Industrial Solid Wa D No: TXD0089504		: 30948 No: 30900
CROWINE C		·	- 	
	erator Information	mmr a 2010		
Сотрапу:	GREEN HUNTER BIO			
Address:	13605 INDUSTRIAL R	OAD		
City, State, Zip:	HOUSTON, TEXAS	·		
Contact:	STEVE SAMS		_ Title:	AUTH. BROKER FOR GENERATOR
Phone No:	713-530-4550	· · · · · · · · · · · · · · · · · · ·	Fax No:	281-424-7748
24/hr Phone:	281-838-3400		-	
U.S. EPA I.D. No:		349	_	
State I.D.	CESQG		SIC Code:	
SECTION 2: Billi	ng Information – 🔲 Same			
Company:	PHOENIX POLLUTION	CONTROL & ENVIR	ONMENTAL SI	ERVICES, INC.
Address:	720 S. LYNCHBURG RC	AD		
City, State, Zip:	BAYTOWN, TEXAS 775	20		
Contact:	STEVE SAMS	Title:	AUTH. BRO	KER FOR GENERATOR
Phone No:	281-838-3400	Fax No:	281-424-7748	3
NEUTRAILIZED. Physical State: Color: CLEAR/BR Specific Gravity (v	Liquid Solid Odor	Sludge [Filter Cake [MILD]	Powder Combinatio	
Layers:	⊠ Single-phase	☐ Muiti-phase		
· Container Type:	□ Drum □	Tote 🗵	Truck	Other (explain)
Container Size:			5,000	- Congression,
Container Size.			0,000	
Frequency:	□ Weekly □	Monthly] Quarterly	Vearly
_ Number of Units (containers): 1	Other:	_	
Texas State Waste				
Proper U.S. DOT	Shipping Name:		NoABOT	Regulated Woter
Class: NA	UN/NA:	NIPA	PG: N	P RQ: NA
Flash Point	pH Rea	ctive Sulfides	Reactive C	vanides Solids
N/A		mg/l	N/Amg/I	N/A%
Oil&Grease	TOC	Zinc	Copper	Nickel
N/Amg/1	N/Amg/I	<u>N/A</u> mg/l	N/Amg/I	<u>N/A</u> mg/I

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable		
Water	98-99%	2/2	
Sulfuric buil neutralized w/ Cousti	1-2	10/0	
		\mathbf{I}	

The waste consists of the following materials	Ranges are acceptable	or %
Water	98-99%	2/2
Sulfuric Buil neutralized w/Coush	1-2	%
SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment,	please explain.	
SECTION 6: Attached Supporting Documents	***************************************	
List all documents, notes, data, and/or analysis attached to this form as part of N/A W	of the waste approval packa	ge.
SECTION 7: Incompatibilities		
Please fist all incompatibilities (if any): N/A	•	
SECTION 8: Generator's Knowledge Documentation		
Laboratory analysis of the bazardous waste characteristics, listed below, WA generator knowledge:	S NOT PERFORMED base	ed upon the following
TCLP Metals: X		
TCLP Volatiles: X TCLP Semi-Volatiles: X		
TCLP Metals: X TCLP Volatiles: X TCLP Semi-Volatiles: X Reactivity: X Corrosivity: X Ignitability: X		
Corrosivity: X		
Ignitability: \underline{X}		
SECTION 9: Generator's Certification		
The information contained herein is based on \boxtimes generator knowledge and/or attached description is complete and accurate to the best of my knowledge at omissions of composition properties exist and that all known or suspected hazartested are representative of all materials described by this document.	nd ability to determine that	no deliberate or willful
Authorized Signature:	Date: <u>07-03-08</u>	
Printed Name/Title: STEVE Sams / AUTH. BROKER Kon AGE	nt_	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)		
Compliance Officer: Roll Additional I	nformation:	
Date: 1-9-08 Approved Rejected		
Approval Number: 2876		

SEC	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is tl	his material a wastewater or wastewater sludge? X YES NO
If "	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Metal</u>	's Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

X	Metals Subcategory
	Oils Subcategory
	Organics Subcategory

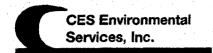
SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base	Pricing (including fr	eight):									
	\$0.10/	gal	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
								······································	-		
. <u>Conta</u>	mination Limits (m	aximum limi	t before surc	harges ap	ply):						
	Sta										
Surch	arge Pricing:		· · · · · ·								-
5-11	per rate	sheet				·		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
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			•	·			·				
Special	Testing Requireme	ents:									
T	OC, met	els, "	10 Soli	do, p	reno	P, Hu	PH	must	6.0	neut	ral.
			;				7.7				
Treatm	ent and Handling P	rotocol:				· · · · · · · · · · · · · · · · · · ·					
				.*							
·											
Treated	l Wastewater Disch	arge Subcat	egory:								
	Subcategory A	□ St	ubcategory B	С	Subcate	gory C					



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

Ianagement for Product Recovered/Recycled (if applicable);						•		*		
Ianagement for Product Recovered/Recycled (if applicable);									٠.	
Ianagement for Product Recovered/Recycled (if applicable);										
anagement for Product Recovered/Recycled (if applicable);										
		6 D	J 10	od/Daniel (d	£1: L	1->-	·			
	lanagem	ent for Pro	oduct Recover	ed/Recycled (i	f applicab	<u>le);</u>				
	anagem	ent for Pro	oduct Recover	ed/Recycled (i	f applicab	le);				



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/9/2008

Dear Ronald Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2880

Expiration Date 7/9/2010

Generator: ZaCh System Corp. (La Porte)

Address: 914 South 16th Street

La Porte, TX 77571

Waste Information

Name of Waste: NMP Step 4, Part II & Parts of Step 5

TCEQ Waste Code #: 0064203H

Container Type:

Detailed Description of Process Generating Waste:

Off-spec material from a pharmaceutical manufacturing plant

Color: Dark

Odor: Alcohols/Solvents/MT pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Std PPE (rubber gloves, hard hat, goggles, etc)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. DH.

2873

3312

Container Type:

Frequency: Quantity:

Layers:

2874

4953

5000

Single-phase

☐ Drum

2876

4959

☐ Tote

Weekly
Monthly Yearly
One-Time

2879

9511

Multi-phase

2891

Truck Other (explain)

2892

2893

2896

2899

2911



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Company: Address: Citv: State: Zip: Contact: Title: **Phone Number:** Fax Number: 24/hr Phone Number: **US EPA ID No:** State ID No: SIC Code: **SECTION 2: Billing Information -**Same as Above Company: Address: City: State: Zip: Contact: Title: Phone Number: Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: **Detailed Description of Process Generating Physical State:** Liquid Sludge Powder Filter Cake Combination Solid Color: Odor: Specific Gravity (water=1): Density: Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes ☐ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2822 2823 2824 2833 2834 2812 2813 2816 2819 2821 2851 2861 2865 2869 2835 2836 2841 2842 2843 2844

			/		~ Mr	P	
In this a LICEDA "Unanada	ous Waste" per 40CFR 261.	22	Van	. ~	(L. P)	1	
	pus waste per 40CFR 261		Yes 🗹 Yes	429	NO ' ached heret	^	
, and produce con.		,g			acrica ricici	,	
If "Yes", Is it:	D001 (Ignitable)	D002 (Corros	ive)	D003 (Rea	ctive)		
Characteristic for Toxic		-	□ D006	_	•	B 🗌 D0	09
	□ D010			_			
Characteristic for Toxic C	Organics: D012 thru D043 (olease list all t	hat apply)				
					/		
	d waste or mixed with one	?	Yes	\mathbf{Z}	No		
If "Yes", then please lis	st ALL applicable codes:	_					·····
to Alita a service contat			for non				
·	luct or spill cleanup that w			ste code un	der		
40 CFR 261.33(e) or (f)?	***************************************	es 🔽 N	0				
ir res , then please iis	st ALL applicable codes:	_		· (
Texas State Waste Code	Number:	クレビ	202	IJ			
Texas state waste code			<u>ں ں ح</u>		•		
Proper US DOT Shipping	Name: PQ, Flank	tale Lan	1 2k?	135 m	Hhul	tod-h	Jul Otes
Class: 2	UN/NA: 100 3	PG:	1000	RQ:	100	W C D	TEACH CALC
					100		
Flash Point	Hq	Reactive	Sulfides	Reactive	Cvanides	S	olids
4120	ŇA	D	mg/l	0	mg/l	0	%
Oil & Grease	TOC	Zir		Cop	per	N	ickel
71500 mg/l	ND mg/I	610	mg/l	AK	mg/l	AA	mg/l
<u> </u>							
SECTION 4: Physical and	Chemical Data						
COM	IPONENTS TABLE			CONCENT	RATOIN		UNITS
The waste consi	sts of the following materia	ls		Ranges are a	cceptable		or %
Meth	anol		<u>25</u>	- 1	340		70
mTB			<u>-30</u>	- no	<u> </u>		070
- Dmei	<u> </u>			<u> </u>	_		70
THIEVE	2		5	<u> </u>	<u> </u>		00
Two	X)			\leftarrow			16
H TOTON	<u></u>			<u> </u>	<u>ــــــــــــــــــــــــــــــــــــ</u>		100
TINNIN	-			-10			100
				·			
							

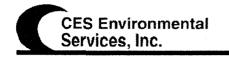
	ling of this waste requires the use of special protective equipment, please explain. SARD PPE (PWHOENS), Nava M. SOSSES, A.
-	Attached Supporting Documents Iments, notes, data and/or analysis attached to this form as part of the waste Inckage. WASTO TROSTWONT DWP STOP H
	Incompatibilities ALL incompatibilities (if any):
OXIDI	3 <i>v</i> ×
Laboratory	es:
	Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Dils Subcated	ory: Subpart B Used oils
	Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources

<u>,</u>	Interceptor wastes
ļ	☐ Off-specification fuels ☐ Underground storage romediation waste
Č	Tank clean-out from petroleum or pily sources
Ţ	Non-contact used glycols
ŗ	Aqueous and oil mixtures from parts cleaning operations Westewater from oil bearing paint washes
	A sosteward, item on bound bour masues
Ornanics Su	<u>brategory</u> : Subpart C
F	Landfill leachate Comaminated groundwater clean-up from non-petroleum sources
Č	Solveut-pearing wastes
<u> </u>	Of/specification organic product
طِ	Still bottoms
, ,] Byproduct waste glycol] Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation
٢	Wastewater from organic chemical product operations
L	Tank clean-out from organic, non-potroleum sources
(2)	
	if the waste contains oil and grosse at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
'	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chramium: 8.9 mg/L Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	(almanut Asan (sill) p
3)	
	If the waste contains all and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Metala Subcategory
	Olis Subcategory
	Organics Subcategory
	— a. 32 anvar-82
ECTION 10 A	Additional instructions
vou canent	determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
	I) and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
., .	pacceptunes. The generator will be responsible for the cost of the analysis.
	Generator's Cartification
-	ion contained herein is based on 💙 generator knowledge and/or 🔲 analytical data.
	Ify that the above and attached description is complete and accurate to the bast of
	re and ability to determine that no deliberate or willful omissions of compostion rist and that all known gruspocted hazards have been disclosed. I certify that the
	ted are representative of all materials described by this document.
91At (812 102	
utharized S	Igneture: Vandel SWIL Date: 7-7-08
inted Nam	ertitles Kunaco Smish - EHS Manager
a visik store	
5 USE ONL	(DO NOT WRITE IN THIS SPACE)
mpliance C	Micer: Kabbara Trana a
	2-9-08 Approved Rejected
proval Nun	

NASH

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
0.35/gallon + \$500- Freight + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
NH
4. Special Testing Requirements:
Lab needs to determine how much water to use to wash the load & sparate alcohols from mass/heptaxe/xylone
5. Treatment and Handling Protocol:
PRIXI WITH SMALLEST AMOUNT OF WATER REQUIRED TO SEPAPATE PLOOTEDS FROM MITBE/XY/lene. Check with Product Sales to determine if alcohol + water can go into mixed alcohols AS-13 (give Product Sales Do Water). Top PHASE Should go
into "Restricted light Ends from Processing" Trailer 6. Treated Wastewater Discharge Subcategory: Water Wash phase shall go to distillation
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

Tests for Proc	luct Recovered/R	Recycled (if ap	plicable):		 	
*						
	•					
				 	 	
Management	for Product Reco	vered/Recycle	ed (if applicab	le)		<u> </u>
Management	for Product Reco	overed/Recycle	ed (if applicab	le)	 	
Management	for Product Reco	overed/Recycle	ed (if applicab	le)		
Management	for Product Reco	overed/Recyclo	ed (if applicab	le)		

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RECYCLING PROCESS
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and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
Many Sports Service Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the C
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LDR Notifications/Certifications

	1. Generator Information 2. Receiving Facility Information											
1.	Generator Information	<i>-</i>		2.	Receiving Facility	Information						
	Name:	Duston	000]	Name:	CES Environmental Services, I	nc.					
,	Address: 914 €	AFJI WITHOUTH	STroot]	Address:	4904 Griggs Road						
	Lator	TE TY THE	\mathcal{L}			Houston, TX 77021						
	EPA ID No.:	10790kg			EPA ID No.:	TXD008950461						
	Manifest No.:											
2	Waste Description at Point of Genera	4:										
э.	3. Waste bescription at rolling deteration											
Line	•											
item	Waste Description	Hazardous Waste Codes	LDR Subcatego	ory	ww/nww	Underlying Hazardou	s Constituents [2	68.2(i)]				
1			-									
2												
3												
4												
5												
1	Waste Disposition											
4.	waste disposition					<u> </u>		 _				
Line						268.45, Table 1 Technology	used to treat	1				
Item	Subtitle C Exclusion Subsequent to Poi	nt of Generation (if applicable)	Current Dis	sposi	tion of Waste	debris (if applica	ble)	Date Shipped				
1												
2												
3												
4												
5												
5	Was the waste hazardous at the point	of generation but subsequently	hecame exclude	d fro	m the definition of	f hazardous waste or exempt fr	om					
	Subtitle C regulation (including charact	- , ,				•						
		tituents the 268.7(a)(7) one-tim		£ 3 y 3	terns discribing d	nder the every:						
	Waste the waste characterstic at the po					tment residues then shipped to	o a					
	Subtitle D land disposal facility?	Yes No (if yes, co	omplete Certifica	ation	1 or 2.)							
7.	Was the waste "debris" that was hazar	dous at the point of generation	but subsequentl	lv be	came excluded from	m the definition of hazardous w	vaste					
	under 261.3(f)(1) by treating it using ar						complete Certific	ation 3.)				
	Was the waste "debris" that was hazard			•		n the definition of hazardous w	vaste					
	under 261.3(f)(2) by receiving a "no-lo				ized state?							
	Yes No (if yes, this co	nstituents the 268.7(d)(1) one-t	ime notification.	<u>.) </u>								
9.	s the waste residue from treating K061	, K062 and/or F006 wastes in h	igh-temperature	met	als recovery (HTM	R) units that 1) meets the gene	ric					
	exclusion levels in 261.3(c)(2)(ii)(C), 2) o	does not exhibit any characterst	ics, and 3) is ship	pped	to a Subtitle D land	d disposal facility?						
	Yes No (if yes, comple	ete Certification 4.)										
10.	Waste that has been treated to	remove a characterstic and mee	ets underlying ha	zard	ous constituents st	andards	Applies to items					
10.		remove a characterstic and mee	ets undertying na	ızaı u	ous constituents st	ailuarus.	Applies to items.					
	• • • •	w that the waste has been treat										
		ne hazardous characterstics and					Reference:	İ				
	• •	ed on-site to meet the 268.48 Ur					268.7(b)(4)(v) a	nd 268.9(d)				
	are significant penalties for	submitting a false certification,	including the po	ssibi	ity of fine and imp	risonment.	L					
11.	Waste that has been treated to	remove a characterstic but does	not meet under	rlying	hazardous constit	uents	Applies to items	: 1				
	standards.						1					
	Landiff		in			e .	Pafarana					
	• • • •	w that the waste has been treate			•		Reference: 268.7(b)(4)(v) ar	-4 350 O(4)				
		remove the hazardous characte					200.7(b)(4)(v) ai	10 200.5(u)				
	underyling hazardous constituents that require further treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.											
	significant penalties for subi	mitung a raise certification, incli	aung me possib	iiity C	л ппе and imprisor	ment.	<u></u>					
12.	12. Debris that has been treated to meet the alternative treatment standards. Applies to items:											
	Legify under penalty of lay	v that the debris has been treat	ed in accordance	e wit	h the requirements	of	1)				
	· · · · · · · · · · · · · · · · · · ·				•		Reference:					
							268.7(b)(4)(v) ar	nd 268.9(d)				
	<u> </u>											
13.	HTMR residue from treating K06	1, K062 and/or F006 wastes.					Applies to items	:				
	I certify under penalty of lav	v that the generic exclusion leve	els for all constitu	uents	have been met wi	thout						
	impermissible dilution and t	hat no characterstic of hazardo	us <mark>waste is e</mark> xhib	ited.	I am aware that th	nere are	Reference:					
	significant penalties for subr	mitting a false certification, inclu	iding the possibi	ility c	of fine and imprisor	nment.	268.7(b)(4)(v) ar	nd 268.9(d)				
	Authorized Signature:					Date:						
•		· · · · · · · · · · · · · · · · · · ·										
	Printed Name / Title:											



CES Environmental
Services, Inc.

UNDERLYING HAZARDOUS CONSTITUENTS (UHC)

Generator					EPA ID Number			
Mailing Address					Manifest Number			
					CES Profile Number			
City, State, Zip	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·
EPA Waste Codes		·····	I:				T	
EPA Waste Codes		·		├──			 	
L	<u> </u>			L				
If your waste, at the point of generation, ex	ceeds the limits of the follow	ving constituer	nts, then please repre	esent 1	this fact to CES Environmental Servi	ces, Inc. by checking the a	oplicable box liste	d below.
Does this waste contain one or more of the	constituents listed on pages	1. 2. 3 or 4?		П	YES 🗌 NO			
If "Yes", check applicable constituent			then sign and date					'
ii res , check applicable constituen	is and then sign and date th	e 101111. 11 140	, then sign and date	the te	,,,,,,			
	ı	Wastewater	Non-Wastewater	1		•	Wastewater	Non-Wastewater
Description	CAS No. [1]	mg/l [2]	mg/kg		Description	[CAS No. [1]	mg/l [2]	mg/kg
Description	[CA3 140. [1]	1116/1[2]	116/16	1	Description	10.10.110.[-]	8/ . [-3	
I Commission Complete				1				
I. Organic Constituents	F2 0C 2	0.059	1140	1 –	bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
2-Acetylaminofluorene	53-96-3	0.039		_	bis-(2-Chloroethoxy)methane	111-91-1	0.036	
4-Aminobiphenyl	92-67-1			┧片	bis-(2-Chloroethyl)ether	111-44-4	0.033	
o-Anisidine (2-methoxyaniline)	90-04-0		0.66	┨	Bromodichloromethane	75-27-4	0.035	
Acenaphthene	83-32-9	0.059		┨╏	Bromoform (Tribromomethane)	75-25-2	0.63	
Acenaphthylene	208-96-8	0.059		H			0.63	
Acetone	67-64-1		160		Bromomethane/Methyl bromide Butyl benzyl phthalate	74-83-9 85-68-7	0.017	
Acetonitrile	75-05-8		38	┧╏	Butylate [6] 2008-		0.017	
Acetophenone	96-86-2		9.7				0.042	
Acrolein	107-02-8		NA	┨			0.057	
Acrylamide	79-06-1		23	┨ ;;	2-Chloroethyl vinyl ether 2-Chloronaphthalene	91-58-7	0.062	
Acrylonitrile	107-13-1 1646-88-4	0.24	0.28	┨	2-Chlorophenol	95-57-8	0.033	
Aldicarb sulfone [6]	309-00-2		0.066	┧╏	3-Chloropropylene	107-05-1	0.036	
		0.00014		┧╏	Carbaryl [6]	63-25-2	0.006	
alpha-BHC	319-84-6 62-53-3		1 14	┨		10605-21-7		
, /				┨╏	Carbenzadim [6] Carbofuran [6]		0.036	
Anthracene	120-12-7	0.059	5 NA	┨╏	Carbofuran phenol [6]	1563-66-2 1563-38-8	0.006	
Aramite	140-57-8 88-85-7	0.066		┧片	Carbon disulfide	75-15-0		4.8mg/l
2-sec-Butyl-4,6-dinitrophenol (Dinoseb) 4-Bromophenyl phenyl ether	101-55-3	0.05		┨╏		56-23-5	0.057	
Barban [6]	101-33-3	0.05		┨	Carbosulfan [6]	55285-14-8		
Bendiocarb [6]	22781-23-3	0.050		┨	Chlordane (alpha and gamma isor		0.0033	
Benomyl [6]	17804-35-2	0.050		┧ᡖ		108-90-7	0.0033	
Benz(a)anthracene	56-55-3	0.05		┨╢	Chlorobenzilate	510-15-6		NA NA
Benzal chloride	98-87-3	0.05		16		124-48-1	0.057	
Benzene	71-43-2		4 10	┪旹		75-00-3	0.037	
Benzo(a)pyrene	50-32-8		1 3.4	┨		67-66-3	0.27	
Benzo(b)fluoranthene	205-99-2		1 6.8	┨		74-87-3	0.046	
Benzo(g,h,i)perylene	191-24-2	0.005		┧╘		218-01-9	0.059	
Benzo(k)fluoranthene	207-08-9		1 6.8	┪╘		108-39-4	0.059	
beta-BHC	319-85-7		4 0.066	┨╵	(difficult to distinguish from)		- - 0.7/	J.0
bis(2-Chloroisopropyl)ether	39638-32-9		5 7.2	┨┌	m-Cumenyl methylcarbamate [6		0.056	1 4
This/*-cuiningobioballeniei	122020-22-3	0.05	21/.4	1 4	i pin-cumenyi memyicarbamate [6	104-00-6	U.U56	11.4

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	I. Organic Constituents (continued)	10051 01 5	0.026	10	7 🔻	Fl	700 73 7	0.050	2.4
	cis-1,3-Dichloropropylene	10061-01-5	0.036		4	Fluorene	86-73-7	0.059	
	Cyclohexanone	108-94-1		0.75 mg/l TCLP	4	Formetanate hydrochloride [6]	23422-53-9	0.056	
늰	1,1-Dichloroethane	75-34-3	0.059		┨┌╗	gamma-BHC	58-89-9	0.0017	
==	1,1-Dichloroethylene	75-35-4	0.025		18	Heptachlor	76-44-8	0.0012	
	1,2-Dibromo-3-chloropropane	96-12-8	0.11			Heptachlor epoxide	1024-57-3	0.016	
	1,2-Dichloroethane	107-06-2	0.21		18	Hexachlorobenzene	118-74-1	0.055	
	trans-1,2-Dichloroethylene	156-60-5	0.054			Hexachlorobutadiene	87-68-3	0.055	
	1,2-Dichloropropane	78-87-5	0.85			Hexachlorocyclopentadiene	77-47-4	0.057	
	1,2-Diphenylhydrazine	122-66-7	0.087		1 📙	Hexachloroethane	67-72-1	0.055	
닏	trans-1,3-Dichloropropylene	10061-02-6	0.036			Hexachloropropylene	1888-71-7	0.035	
닏	1,4-Dinitrobenzene	100-25-4	0.32			HxCDDs (All Hexachlorodibenzo-p-dioxins)	N/A	0.000063	
	1,4-Dioxane	123-91-1		170		HxCDFs (All Hexachlorodibenzofurans)	N/A	0.000063	
	2,4-Dichlorophenol	120-83-2	0.044] 📙	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.000035	
	2,4-Dichlorophenoxyacetic acid/2,4-D	94-75-7	0.72			1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.000035	
	2,4-Dinitrophenol	51-28-5	0.12] 🖺	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.000035	
Ц	2,4-Dinitrotoluene	121-14-2	0.32		7 🗖	Ideno (1,2,3-c,d) pyrene	193-39-5	0.0055	
	2,6-Dichlorophenol	87-65-0	0.044		ם [lodomethane	74-88-4	0.19	
	2,6-Dinitrotoluene	606-20-2	0.55		╛	Isobutyl alcohol	78-83-1	5.6	
	2-4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72		╛	Isodrin	465-73-6	0.021	
	2-4-Dimethyl phenol	105-67-9	0.036		┙╚	Isosafrole	120-58-1	0.081	
	2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010			Kepone	143-50-0	0.0011	
	4,6-Dinitro-o-cresol	534-52-1	0.28	160		3-Methylcholanthrene	56-49-5	0.0055	15
	delta-BHC	319-86-8	0.023	0.066		4,4-Methylene bis (2-chloroaniline)	101-14-4	0.5	30
	di-n-butyl phthalate	84-74-2	0.057	28		m-Dichlorobenzene	541-73-1	0.036	6
	Di-n-octyl phthalate	117-84-0	0.017	28	7 🗆	Methacrylonitrile	126-98-7	0.24	84
	Di-n-propylnitrosamine	621-64-7	0.4	14		Methanol	67-56-1	5.6	0.75 mg/l TCLP
	Dibenz(a,e)pyrene	192-65-4	0.061	NA	7 🗆	Methiocarb [6]	2032-65-7	0.056	1.4
	Dibenz(a,h)anthracene	53-70-3	0.055		\neg	Methomyl [6]	16752-77-5	0.028	0.14
	Dibromomethane	74-95-3	0.11	15	ヿロ	Methoxychlor	72-43-5	0.25	0.18
	Dichlorodifluoromethane	75-71-8	0.23	7.2	┪ΰ	Methapyrilene	91-80-5	0.081	
	Dieldrin	60-57-1	0.017		75	Methyl ethyl ketone	78-93-3	0.28	
	Diethyl phthalate	84-66-2	0.2		7 🗇	Methyl isobutyl ketone	108-10-1	0.14	
	Dimethyl phthalate	131-11-3	0.047		ᅯ茵	Methyl methacrylate	80-62-6	0.14	
	Diphenylamine	122-39-4	0.92		$\exists \Box$	Methyl methansulfonate	66-27-3	0.018	
	Diphenylnitrosamine	86-30-6	0.92	13	7 🗆	Methyl parathion	298-00-0	0.014	
	Disulfoton	298-04-4	0.017	6.2	\neg	Methylene chloride	75-09-2	0.089	
$\bar{\Box}$	Dithiocarbamates (total) [6]	137-30-4	0.028		$\exists \ \Box$	Metolcarb [6]	1129-41-5	0.056	
ō	Endosulfan I	959-98-8		0.066	┨╗	Mexacarbate [6]	315-18-4	0.056	
$\bar{\Box}$	Endosulfan II	33213-65-9	0.029		d ⊑	Molinate [6]	2212-67-1	0.042	
	Endosulfan sulfate	1031-07-8	0.029		┪ቨ	2-Naphthylamine	91-59-8	0.52	
ō	Endrin	72-20-8	0.0028		┪ᡖ	5-Nitro-o-toluidine	99-55-8	0.32	
$\tilde{\Box}$	Endrin aldehyde	7421-93-4	0.025		\dashv \Box	n-Butyl alcohol	71-36-3	5.6	
ŏ	EPTC [6]	759-94-4	0.042		-	N-Nitroso-di-n-butylamine	924-16-3	0.4	
	Ethyl acetate	141-78-6	0.34		┪	N-Nitrosodiethylamine	55-18-5	0.4	
ŏ	Ethyl benzene	100-41-4	0.057		┥	N-Nitrosodimethylamine	62-75-9	0.4	
	Ethyl cyanide/propanenitrile	107-12-0		360		N-Nitrosomethylethylamine	10595-95-6	0.4	
ŏ	Ethyl ether	60-29-7		160	\dashv	N-Nitrosomorpholine	59-89-2	0.4	
ŏ		97-63-2		160	\dashv	N-Nitrosopiperidine	100-75-4	0.013	
ă	Ethyl Oxide	75-21-8	0.14		-	N-Nitrosopyrrolidine		0.013	
	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028		\dashv	Naphthalene	930-55-2 91-20-3	0.013	
ă		52-85-7	0.028		\dashv	Nitrobenzene		0.059	
H		206-44-0	0.017		-	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	98-95-3		
L	Fridorantifierie	1200-44-0	0.068	13.4		1,2,5,4,6,7,6,9-Octachiorogipenzo-p-dioxin	3268-87-9	0.000063	0.005

1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063	0.005
p,p-DDD	53-19-0	0.023	0.087
p,p-DDE	3424-82-6	0.031	
p,p-DDT	789-02-6	0.0039	
o-Cresol	95-48-7	0.11	
o-Dichlorobenzene	95-50-1	0.088	6
o-Nitroaniline	88-74-4	0.27	14
o-Nitrophenol	88-75-5	0.028	13
Oxamyl [6]	23135-22-0	0.056	
1,3-Phenylenediamine	108-45-2	0.010	
p-Cresidine	120-71-8	0.010	0.66
p,p-DDD	72-54-8	0.023	
p,p-DDE	72-55-9	0.031	
p,p-DDT	50-29-3	0.0039	
p-Chloro-m-cresol	59-50-7	0.018	
p-Chloroaniline	106-47-8	0.46	
p-Crisol p-Cresol	106-44-5	0.40	
(difficult to distinguish from m-cresol)	1200 /4-5	<u> </u>	
p-Dichlorobenzene	106-46-7	0.09	6
p-Dimethylaminoazobenzene	60-11-7	0.13	
p-Nitroaniline	100-01-6	0.028	
p-Nitrophenol	100-01-0	0.12	
Parathion	56-38-2	0.014	
Pebulate [6]	1114-71-2		
	N/A	0.042	
PeCDDs (All Pentachlorodibenzo-p-dioxins) PeCDFs (All Pentachlorodiebenzofurans)	N/A N/A	0.000063	
Pentachlorobenzene	608-93-5	0.000035 0.055	
Pentachloroethane			
	76-01-7	0.055	
Pentachloronitrobenzene	82-68-8	0.055	
Pentachlorophenol	87-86-5	0.089	
Phenacetin	62-44-2	0.081	
Phenanthrene Phenanthrene	85-01-8	0.059	
Phenol	108-95-2	0.039	
Phorate	298-02-2	0.021	
Phthalic acid	100-21-0	0.055	
Phthalic anhydride	85-44-9	0.055	
Physostigmine [6]	57-47-6	0.056	
Physostigmine salicylate [6]	57-64-7	0.056	
Promecarb [6]	2631-37-0	0.056	
Pronamide	23950-58-5	0.093	
Propham [6]	122-42-9	0.056	
Propoxur [6]	114-26-1	0.056	
Prosulfocarb [6]	52888-80-9	0.042	
Pyrene	129-00-0	0.067	
Pyridine	110-86-1	0.014	
Safrole	94-59-7	0.081	
Silvex (2,4,5-TP)	93-72-1		7.9
1,1,1,2-Tetrachloroethane	630-20-6	0.057	
1,1,1-Trichloroethane	71-55-6	0.054	
1,1,2,2-Tetrachloroethane	79-34-5	0.057	
1,1,2-Trichloro-2,2,2-trifluoroethane	76-13-1	0.057	
1,1,2-Trichloroethane	79-00-5	0.054	16

120-82-1	0.055	19
96-18-4		
58-90-2	0.03	7.4
93-76-5	0.72	7.9
95-95-4	0.18	7.4
88-06-2	0.035	7.4
N/A	0.000063	0.001
N/A	0.000063	0.001
127-18-4	0.056	6
59669-26-0	0.019	1.4
23564-05-8	0.056	1.4
108-88-3	0.08	10
1336-36-3	0.1	10
8001-35-2	0.0095	2.6
2303-17-8	0.042	1.4
79-01-6	0.054	6
75-69-4	0.02	30
101-44-8	0.081	1.5
126-72-7	0.11	0.1
1929-77-7	0.042	1.4
75-01-4	0.27	6
1330-20-7	0.32	30
	58-90-2 93-76-5 95-95-4 88-06-2 N/A N/A 127-18-4 59669-26-0 23564-05-8 108-88-3 1336-36-3 8001-35-2 2303-17-8 79-01-6 75-69-4 101-44-8 126-72-7 1929-77-7 75-01-4	120-82-1 0.055 96-18-4 0.85 58-90-2 0.03 93-76-5 0.72 95-95-4 0.18 88-06-2 0.035 N/A 0.000063 127-18-4 0.056 59669-26-0 0.019 23564-05-8 0.056 108-88-3 0.08 1336-36-3 0.1 8001-35-2 0.0095 2303-17-8 0.042 79-01-6 0.054 75-69-4 0.02 101-44-8 0.081 126-72-7 0.11 1929-77-7 0.042 75-01-4 0.27 1330-20-7 0.32

II. Inorganic Constituents			
Antimony	7440-36-0	1.9 *	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4 *	5.0 mg/l TCLP
Barium	7440-39-3		21.0 mg/l TCLP
Beryllium	7440-41-7		1.22 mg/l TCLP
Cadmium	7440-43-9	0.69 *	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77 *	0.60 mg/l TCLP
Cyanides (Amenable) [4]	57- 12- 5	0.86	30
Cyanides (Total) [4]	57-12-5	1.2	590
Fluoride [5]	16984-48-8	35	NA
Lead	7439-92-1	0.69 *	0.75 mg/l TCLP
Mercury - All others	7439-97-6		0.025 mg/l TCLP
Mercury - Retort nonwastewater	7439-97-6	NA *	0.20 mg/l TCLP
☐ Nickel	7440-02-0	3.98 *	11.0 mg/l TCLP
Selenium	7782-49-2	0.82 *	5.7 mg/l TCLP
Silver	7440-22-4	0.43 *	0.14 mg/l TCLP
Sulfide	18496-25-8	14	NA
Thallium	7440-28-0	1.4 *	0.2 mg/l TCLP
Vanadium [4]	7440-62-2	4.3 *	1.6 mg/l TCLP
Zinc [5]	7440-66-6	2.61 *	4.3 mg/l TCLP

I certify that the above is true and correct to the best of my knowledge.					
Authorized Name (Print)	Title				
Authorized Signature	Date				

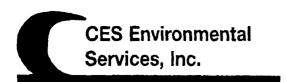


CES ENVIRONMENTAL SERVICES USA Inc. – UHC FORM

UNDERLYING HAZARDOUS CONSTITUENTS

Date:	
Generator: Address:	
Profile No.	
concentration lim	represented by the above <u>Profile Number</u> is below all of the its as indicated on table 268.48 (attached), with the exception of the ic code and the Sulfide (D003 characteristic code, sulfide) which is
Certifying Repres	entative:
	a. Print Name
	b. Signature
	c. Company
	d. Title

All of a, b, c, d must be completed.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/9/2008

Dear Ronald Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2880

Expiration Date 7/9/2010

Generator: ZaCh System Corp. (La Porte)

Address: 914 South 16th Street

La Porte, TX 77571

Waste Information

Name of Waste: NMP Step 4, Part II & Parts of Step 5

TCEQ Waste Code #: 0064203H

Container Type:

Detailed Description of Process Generating Waste:

Off-spec material from a pharmaceutical manufacturing plant

Color: Dark

Odor: Alcohols/Solvents/MT pH: na

Physical State:

Incompatibilities: Oxidizers

Safety Related Data/Special Handling:

Std PPE (rubber gloves, hard hat, goggles, etc)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. DH



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

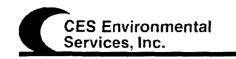
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator I Company: Address: City: Contact: Phone Number: 24/hr Phone Number: US EPA ID No: State ID No:	Information Systy South Smith Type SSCIA	State:	Title: Fax Number: SIC Code:	Zip:	<u> </u>			
SECTION 2: Billing Infor	mation - 🔽 Sa	me as Above						
Address:								
City:		State:		Zip:				
Contact:			Title:					
Phone Number:			Fax Number:					
SECTION 3: General Des	cription of the Wast	<u>e</u>					_	
Name of Waste: Detailed Description of F	NMP 54 Process Generating V	Vaste:	ART II.	2 PARTS	· 0f. 5	ysb	5_	^
Of Sport	merical f	com e	phar	move	Hical	men	pusactor	۱۲
Physical State:	Liquid Solid	Sludge Filter Cak	e 🗆	Powder Combination		H	lant	٤
Color: DAD	<u></u>		Odor:	Alciho	15/50	out	S/MTBC	:
Specific Gravity (water=1	u): , <u>M</u>	-,87	_	Density: 6	-7 lbs/g	gal		
Does this material contain	in any total phenolic	compounds?	☐ Yes	√ No	,			
Does this material contain	in any para substitut	ted phenolic com	pounds?	☐ Yes	No			
Is the Waste subject to the	-		•			Yes [] No	
Answer "Yes" if your wast			=	•	_			
2812 2813	2816	2819 2821		2823	2824	2833	2834	
2835 2836		2842 2843		2851	2861	2865	2869	
2873 2874		2879 2891	2892	2893	2896	2899	2911	
3312 4953	4959	9511						
Layers:	le-phase	Multi-phase						
Container Type:	Drum 🗌 Tote	Truck □	Other (explain)				
Frequency: Weekly Quantity: 5000	☐ Monthly ☐ Y	early 🗌 One-T	ime					

le this a HSEDA "Hararde	ous Waste" per 40CFR 261.	22	You	Luc	DN	
	nplete, sign and date the Unc		Yes ous Constitue	429	ereto	
If "Yes", Is it:	· -	_	ive) [] D003 (Reactive) 5	0008 🔲 000	09
Characteristic for Toxic (Organics: D012 thru D043 (_	nat apply)			
	d waste or mixed with one st ALL applicable codes:	?	☐ Yes	No		
40 CFR 261.33(e) or (f)?	luct or spill cleanup that w Y st ALL applicable codes:	ould carry a "X es \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ste code under		
Texas State Waste Code	Number:	1400x	203	+}		
Proper US DOT Shipping Class:	Name: PQ, Flanny UN/NA: CG 3	ible liqu PG: D	ids n	NS (Methoda)	yl tert-b	utyl ster
Flash Point	pH	Reactive	Sulfides	Reactive Cyanid	es S	olids
4120	NA	D	mg/l	() mg/		%
Oil & Grease	тос	Zin	с	Copper	N	lickel
71900 <u>mg/l</u>	ND mg/l	A Ca	<u>mg/l</u>	NA mg/		mg/l
SECTION 4: Physical and		\			·	
	PONENTS TABLE			CONCENTRATOIN		UNITS
The waste consi	sts of the following materia	ls		Ranges are accepta	ble	or %
Meth	3 no		25	- 40		70
mTB			30	- mo		90
_ PMAI	26			1-5	*****	70
- Xy len	<u>) </u>		5	<u>- 20</u>		90
Times	X)			= = = = = = = = = = = = = = = = = = = =		10
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	`		اسر	7-10		100
- 1 KKINDIK	cua Cais A Fi		رک —	- 40		50
0-/46 /	vme (Chirel Esc	men)		- 8		90
- DW ADC				x5	<u> </u>	-/
			·			
-						
<u></u>						
 						
	<u> </u>					
	 					

If the handling of this waste requires the use of special protective equipment, please explain. STANDARD PPE (PD) Conditions, The Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition of the Condition o
SECTION 6: Attached Supporting Documents List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. DESTO ROCHMOND DWP STOP 4
SECTION 7: Incompatibilities Please list ALL incompatibilities (if any):
nxidizen
SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:
TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:
SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities) Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Ripse/wash waters from petroleum sources

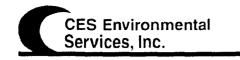
Interceptor wastes Off-specification fuels Underground storage romediation waste Tank clean-out from petroloum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Westewator from oil bearing paint washes
Oranics Subgatesery: Subpart C Landill leachate Comaminated groundwater cloan-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from painc washes Wastewater from painc washes Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources
(1) If the waste contains all and greese at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grease loss than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory. Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3) If the waste contains all and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory. Matala Subcategory Olis Subcategory Organics Subcategory
SECTION 10 Additional instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickol, and Oli and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
The information contained herein is based on
Authorized Signature: Franchist Date: 7-7-08
Printed Name/Title: KUNALO Smith - EHS MANAGER
ES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compilance Officer: Fobbuild and Rejected Date: 7-9-08 Disproved Rejected Rejected Rejected



WASH

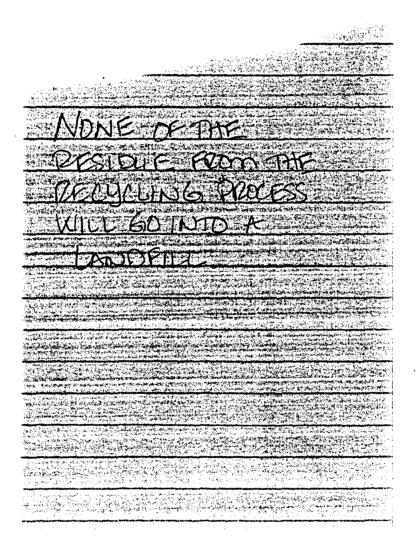
PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
0.35/gallon + \$500- Sneight + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
DIF
4. Special Testing Requirements:
Lab needs to determine how much water touse to
wash the load & sparate alcohols from more/heptare/vylone
5. Treatment and Handling Protocol:
THAT WITH SMALLEST AMOUNT OF WATER REQUIRED TO SEPARATE
ALCOHOLS FROM MTBE/Xylene. Check with Product Sales to determine if alcohol + water can go into mixed alcohols
determine if alcohol + water can go into mixed alcohols
AS-13 (give Product Salus Do water). TOP PHOSE Should go
into "Restricted light Ends from Processing" Trailer 6. Treated Wastewater Discharge Subcategory: Water Wash phase shall go to distillation
Subcategory A Subcategory B Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	





LDR Notifications/Certifications

1. Generator Information 2. Receiving					Information		
	Name: Zach Sustan Con			Name:	CES Environmental Services, Inc.		
	dress: 914 SOLTION		STroot	Address:	4904 Griggs Road		
	EDA ID NO.		5')	EDA ID AL-	Houston, TX 77021		
1	EPA ID No.: Manifest No.:	113,140,60		EPA ID No.:	TXD008950461		
							
\vdash	Waste Description at Point of Genera	ition		 	,		
Line							
Item 1	Waste Description	Hazardous Waste Codes	LDR Subcategory	ww/nww	Underlying Hazardou	s Constituents [2	68.2(i)]
2				 			
3							
4							
5							
4.	Waste Disposition						
Line					268.45, Table 1 Technology	used to treat	
	Subtitle C Exclusion Subsequent to Poi	int of Generation (if applicable)	Current Dispos	ition of Waste	debris (if applical		Date Shipped
2							
3						 	
4							
5							
	Was the waste hazardous at the point Subtitle C regulation (including charact Yes No (If yes, this cons	=	water treatment sys			om	
	Waste the waste characterstic at the possibility?		e to remove the cha omplete Certification		tment residues then shipped to) a	
	Was the waste "debris" that was hazar under 261.3(f)(1) by treating it using ar					raste complete Certific	ation 3.)
8. \	8. Was the waste "debris" that was hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste						
	under 261.3(f)(2) by receiving a "no-longer-contains" determinatin from EPA or the authorized state? Yes No (if yes, this constituents the 268.7(d)(1) one-time notification.)						
9. Is the waste residue from treating K061, K062 and/or F006 wastes in high-temperature metals recovery (HTMR) units that 1) meets the generic exclusion levels in 261.3(c)(2)(ii)(C), 2) does not exhibit any characteristics, and 3) is shipped to a Subtitle D land disposal facility?							
Ì	Yes No (if yes, comple	· · · · · · · · · · · · · · · · · · ·	105, and 5, 15 5 mpp = 0				
10. Waste that has been treated to remove a characterstic and meets underlying hazardous constituents standards. Applies to items:							
10. (_	w that the waste has been treate	• -			, ippiios to item.	"
		w that the waste has been treati ne hazardous characterstics and		•		Reference:	
		ed on-site to meet the 268.48 Ur				268.7(b)(4)(v) a	nd 268.9(d)
are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.					risonment.	<u> </u>	
11.	Waste that has been treated to restandards.	remove a characterstic but does	not meet underlyin	g hazardous constit	uents	Applies to items	ii
		w that the waste has been treate	ed in accordance wit	h the requirements	of	Reference:	
	• • •	remove the hazardous characte		•		268.7(b)(4)(v) a	nd 268.9(d)
		ituents that require further trea				' ' ' ' ' '	
	significant penalties for sub	mitting a false certification, inclu	uding the possibility	of fine and impriso	nment.	<u> </u>	
12.	Debris that has been treated to r	meet the alternative treatment s	standards.			Applies to items	:
_	I certify under penalty of lav	v that the debris has been treate	ed in accordance wit	h the requirements	s of	Į	
		that there are significant penalti				Reference:	
	the possibility of fine and im	prisonment.				268.7(b)(4)(v) a	nd 268.9(d)
13.	HTMR residue from treating K06	1, K062 and/or F006 wastes.				Applies to items	:
_	I certify under penalty of lay	v that the generic exclusion leve	ls for all constituent	s have been met w	ithout	ĺ	
	, , ,	hat no characterstic of hazardou				Reference:	
	significant penalties for subr	mitting a false certification, inclu	iding the possibility	of fine and imprisor	nment.	268.7(b)(4)(v) a	nd 268.9(d)
A	uthorized Signature:				Date:		
D	rinted Name / Title:				·		





UNDERLYING HAZARDOUS CONSTITUENTS (UHC)

Generat Mailing City, Sta	Address				- - -	EPA ID Number Manifest Number CES Profile Number				
EPA Wa	ste Codes				<u> </u>					
Does this	raste, at the point of generation, exceeds s waste contain one or more of the const "Yes", check applicable constituents and	tituents listed on pages I then sign and date the	1, 2, 3 or 4?		the fo	YES NO	ervices, Inc. by checl		olicable box liste	d below.
Descripti	ion	CAS No. [1]	mg/l [2]	mg/kg_		Description	(CA	S No. [1]	_mg/l [2]	mg/kg
/ <u></u>										
	ic Constituents	52.000	0.059	1140	, 🗸		1:.	704 -		
	aminofluorene	53-96-3				bis(2-Ethylhexyl) phthalate		.7-81-7	0.28	
4-Amino		92-67-1	0.13]			1-91-1	0.036	
Acenaph	ine (2-methoxyaniline)	90-04-0	0.010		┧片	bis-(2-Chloroethyl)ether Bromodichloromethane		1-44-4	0.033	
Acenaph		208-96-8	0.059		1 2			5-27-4	0.35	
Acetone		67-64-1		160	1 2			5-25-2 1-83-9	0.63 0.11	
Acetonit		75-05-8		38	, –	Butyl benzyl phthalate		-83-9 -68-7	0.11	
Acetoph		96-86-2	0.01		┨┝	Butylate [6]		008-41-5	0.017	
Acrolein		107-02-8	0.01		┧╘			26-99-8	0.042	
Acrylami		79-06-1		23	┨┝			10-75-8	0.057	
Acrylami		107-13-1	0.24		┨	Le dinordanji viniji dane.		1-58-7	0.062	
	sulfone [6]	1646-88-4		0.28	1 =	(5-57-8	0.033	
Aldrin	sulfone [o]	309-00-2		0.066	┧⋶			07-05-1	0.036	
alpha-Bi	HC .	319-84-6	0.00014		1 7			3-25-2	0.006	
Aniline		62-53-3	0.81		1 2			0605-21-7	0.056	
Anthrace	ene	120-12-7	0.059		1 2			63-66-2	0.006	
Aramite		140-57-8	0.36		1 2			63-38-8	0.056	
	utyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066		┨⋶			-15-0		4.8mg/l
	ophenyl phenyl ether	101-55-3	0.055		 		.56	5-23-5	0.057	
Barban		101-27-9	0.056		7 [Carbosulfan [6]	55	285-14-8	0.028	1.4
Bendioc		22781-23-3	0.056		┧┎	Chlordane (alpha and gamma	isomers) 57	7-74-9	0.0033	
Benomy		17804-35-2	0.056		┫			08-90-7	0.057	6
	anthracene	56-55-3	0.059		7 C		51	10-15-6	0.1	NA
Benzal c	chloride	98-87-3	0.055	6	7 🗆	Chlorodibromomethane	12	24-48-1	0.057	15
Benzene		71-43-2	0.14	10	7 🗆	Chloroethane	75	5-00-3	0.27	6
Benzo(a		50-32-8	0.061	3.4	╛□			7-66-3	0.046	
	o)fluoranthene	205-99-2		6.8	╛		ide) 74	4-87-3	0.19	
Benzo(g	,h,i)perylene	191-24-2	0.0055] [18-01-9	0.059	
)fluoranthene	207-08-9	0.13	6.8] [08-39-4	0.77	5.6
beta-BH	IC STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH	319-85-7	0.00014			(difficult to distinguish fro			L	
	nloroisopropyl)ether	39638-32-9	0.05	7.2		m-Cumenyl methylcarbamate	[6] 64	4-00-6	0.056	1.4

1,1-Dichloroethane	76-44-8 epoxide 1024-57-3 epoxide 1024-57-3 epoxide 118-74-1 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-4-4 epoxide 97-4-4 epoxide 97-4-4 epoxide 97-4-4 epoxi	0.059 3.4 0.056 1.4 0.0017 0.066 0.0012 0.066 0.016 0.066 0.055 10 0.055 5.6 0.057 2.4 0.055 30 0.035 30 0.0035 30 0.00035 0.001 000063 0.001 000063 0.0025 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.036 6 0.24 84 5.6 0.75 mg/l TCLP
Cyclohexanone 108-94-1 0.36 0.75 mg/l TCLP Formetanate 1.1-Dichloroethylene 75-34-3 0.059 6 Heptachlor Heptachlor Heptachlor Heptachlor Heptachlor Heptachlor Heptachlor Hexachlorod Heptachlor Hexachlorod Heptachlor Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod 1,2-Dichloroethylene 156-60-5 0.054 30 Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod 1,2-Dichloropropane 78-87-5 0.85 18 Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachlorod Hexachloro	23422-53-9 58-89-9 76-44-8 290xide 1024-57-3 290xide 1024-57-3 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide 290xide	0.056 1.4 0.0017 0.066 0.0012 0.066 0.016 0.066 0.055 10 0.055 5.6 0.057 2.4 0.055 30 0.035 30 000063 0.001 000063 0.001 000035 0.0025 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6
1,1-Dichloroethylene	58-89-9 76-44-8 1024-57-3 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1 118-74-1	0.0017 0.066 0.0012 0.066 0.016 0.066 0.055 10 0.055 5.6 0.057 2.4 0.053 30 0.0035 30 0.00063 0.001 000063 0.001 000035 0.0025 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0015 0.13 0.0055 15 0.5 30 0.036 6
1,1-Dichloroethylene 75-35-4 0.025 6	76-44-8 epoxide 1024-57-3 epoxide 1024-57-3 epoxide 118-74-1 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 87-68-3 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-47-4 epoxide 97-4-4 epoxide 97-4-4 epoxide 97-4-4 epoxide 97-4-4 epoxi	0.0012 0.066 0.016 0.066 0.055 10 0.055 5.6 0.057 2.4 0.055 30 0.035 30 0.0035 30 0.00063 0.001 000063 0.001 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6
1,2-Dibromo-3-chloropropane 96-12-8 0.11 15	poxide 1024-57-3 penzene 118-74-1 penzene 118-74-1 penzene 118-74-1 penzene 118-74-1 penzene 118-74-1 penzene 187-68-3 percene 177-47-4 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 1888-71-7 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene 193-39-5 penzene	0.016 0.066 0.055 10 0.055 5.6 0.057 2.4 0.055 30 0.035 30 000063 0.001 000063 0.001 000035 0.0025 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6
1,2-Dichloroethane 107-06-2 0.21 6	118-74-1	0.055 10 0.055 5.6 0.057 2.4 0.055 30 0.035 30 0.0035 30 000063 0.001 000063 0.001 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6
trans-1,2-Dichloroethylene 156-60-5 0.054 30 ☐ Hexachlorod 1,2-Dichloropropane 78-87-5 0.85 18 ☐ Hexachlorod 1,2-Diphenylhydrazine 122-66-7 0.087 NA ☐ Hexachlorod trans-1,3-Dichloropropylene 10061-02-6 0.036 18 ☐ Hexachlorod 1,4-Dinitrobenzene 100-25-4 0.32 2.3 ☐ HxCDDs (All 1,4-Dioxane 123-91-1 12 170 ☐ HxCDDs (All 2,4-Dichlorophenol 120-83-2 0.044 14 ☐ 1,2,3,4,6,7,8 2,4-Dichlorophenoxyacetic acid/2,4-D 94-75-7 0.72 10 ☐ 1,2,3,4,6,7,8 2,4-Dinitrophenol 51-28-5 0.12 160 ☐ 1,2,3,4,7,8,9 2,4-Dinitrotoluene 121-14-2 0.32 140 ☐ Ideno (1,2,3,4,7,8,9,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1,2,3,1	sutadiene 87-68-3 syclopentadiene 77-47-4 sthane 67-72-1 spropylene 1888-71-7 Hexachlorodibenzo-p-dioxins) N/A 0. Hexachlorodibenzofurans) N/A 0. Heyachlorodibenzofuran 67562-39-4 0. Heptachlorodibenzofuran 67562-39-4 0. Heptachlorodibenzofuran 55673-89-7 0. Heptachlorodibenzofuran 55673-89-7 0. Heptachlorodibenzofuran 55673-89-7 0. Heptachlorodibenzofuran 193-39-5 nee 74-88-4 nee 74-88-4 nee 74-88-1 143-50-0 nee 120-58-1 143-50-0 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1 nee 120-58-1	0.055 5.6 0.057 2.4 0.055 30 0.035 30 000063 0.001 000063 0.001 000035 0.0025 000035 0.0025 000035 0.0025 0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
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2,4-Dinitrotoluene 121-14-2 0.32 140 □ Ideno (1,2,3) 2,6-Dichlorophenol 87-65-0 0.044 14 □ Iodomethar 2,6-Dinitrotoluene 606-20-2 0.55 28 □ Isobutyl alcomethar 2-4-D (2,4-Dichlorophenoxyacetic acid) 94-75-7 0.72 10 □ Isodrin 2-4-Dimethyl phenol 105-67-9 0.036 14 □ Isosafrole 2,4-Dimethylaniline (2,4-xylidine) 95-68-1 0.010 0.66 □ Kepone 3-Methylch 319-86-8 0.023 0.066 □ 4,4-Methylch □ delta-BHC 319-86-8 0.023 0.066 □ 4,4-Methylch □ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-coctyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methacrylo □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methacrylo □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibenz(a,h)anthracene 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	-c,d) pyrene 193-39-5 the 74-88-4 thold 78-83-1 465-73-6 120-58-1 143-50-0 tolanthrene 56-49-5 tene bis (2-chloroaniline) 101-14-4 tenerene 541-73-1 thirtile 126-98-7	0.0055 3.4 0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
2,6-Dicklorophenol	ne 74-88-4 phol 78-83-1 465-73-6 120-58-1 143-50-0 planthrene 56-49-5 pne bis (2-chloroaniline) 101-14-4 penzene 541-73-1 pnitrile 126-98-7	0.19 65 5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
2,6-Dinitrotoluene 606-20-2 0.55 28 Isobutyl alcording 105-67-9 0.72 10 Isodrin 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.036 14 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.010 0.66 Isosafrole 105-67-9 0.023 0.066 Isosafrole 105-67-9 0.023 0.066 Isosafrole 105-67-9 0.023 0.066 Isosafrole 105-67-9 0.023 0.066 Isosafrole 105-67-9 0.057 28 Isosafrole 105-67-9 0.057 28 Isosafrole 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-67-9 105-6	78-83-1 465-73-6 120-58-1 143-50-0 colanthrene 56-49-5 ene bis (2-chloroaniline) 101-14-4 coenzene 541-73-1 mitrile 126-98-7	5.6 170 0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
□ 2-4-D {2,4-Dichlorophenoxyacetic acid} 94-75-7 0.72 10 □ Isodrin □ 2-4-Dimethyl phenol 105-67-9 0.036 14 □ Isosafrole □ 2,4-Dimethylaniline (2,4-xylidine) 95-68-1 0.010 0.66 □ Kepone □ 4,6-Dinitro-o-cresol 534-52-1 0.28 160 □ 3-Methylch □ delta-BHC 319-86-8 0.023 0.066 □ 4,4-Methylch □ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-octyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methacrylo □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrile	465-73-6 120-58-1 143-50-0 Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the bis (2-chloroaniline) Include the b	0.021 0.066 0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
□ 2-4-Dimethyl phenol 105-67-9 0.036 14 □ Isosafrole □ 2,4-Dimethylaniline (2,4-xylidine) 95-68-1 0.010 0.66 □ Kepone □ 4,6-Dinitro-o-cresol 534-52-1 0.28 160 □ 3-Methylch □ delta-BHC 319-86-8 0.023 0.066 □ 4,4-Methylch □ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-cctyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	120-58-1 143-50-0	0.081 2.6 0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
□ 2,4-Dimethylaniline (2,4-xylidine) 95-68-1 0.010 0.66 □ Kepone □ 4,6-Dinitro-o-cresol 534-52-1 0.28 160 □ 3-Methylch □ delta-BHC 319-86-8 0.023 0.066 □ 4,4-Methylch □ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-cytyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	143-50-0	0.0011 0.13 0.0055 15 0.5 30 0.036 6 0.24 84
4,6-Dinitro-o-cresol 534-52-1 0.28 160 □ 3-Methylch □ delta-BHC 319-86-8 0.023 0.066 □ 4,4-Methylch □ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-cytyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	planthrene 56-49-5 ene bis (2-chloroaniline) 101-14-4 penzene 541-73-1 nitrile 126-98-7	0.0055 15 0.5 30 0.036 6 0.24 84
	ene bis (2-chloroaniline) 101-14-4 penzene 541-73-1 nitrile 126-98-7	0.5 30 0.036 6 0.24 84
□ di-n-butyl phthalate 84-74-2 0.057 28 □ m-Dichlorol □ Di-n-octyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	penzene 541-73-1 nitrile 126-98-7	0.036 6 0.24 84
□ Di-n-octyl phthalate 117-84-0 0.017 28 □ Methacrylo □ Di-n-propylnitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrilo	nitrile 126-98-7	0.24 84
□ Di-n-propyInitrosamine 621-64-7 0.4 14 □ Methanol □ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrile		
□ Dibenz(a,e)pyrene 192-65-4 0.061 NA □ Methiocarb □ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrile	107 50 4	E C O 75 0/1 TC D
□ Dibenz(a,h)anthracene 53-70-3 0.055 8.2 □ Methomyl □ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrile	67-56-1	5.6 Ju. / 5 mg/i Tule
□ Dibromomethane 74-95-3 0.11 15 □ Methoxych □ Dichlorodifluoromethane 75-71-8 0.23 7.2 □ Methapyrile	[6] 2032-65-7	0.056 1.4
☐ Dichlorodifluoromethane 75-71-8 0.23 7.2 ☐ Methapyrile	[6] 16752-77-5	0.028 0.14
	or 72-43-5	0.25 0.18
	ene 91-80-5	0.081 1.5
	/l ketone 78-93-3	0.28 36
☐ Diethyl phthalate 84-66-2 0.2 28 ☐ Methyl isob	utyl ketone 108-10-1	0.14 33
☐ Dimethyl phthalate 131-11-3 0.047 28 ☐ Methyl met	hacrylate 80-62-6	0.14 160
☐ Diphenylamine 122-39-4 0.92 13 ☐ Methyl met	hansulfonate 66-27-3	0.018 NA
☐ Diphenylnitrosamine 86-30-6 0.92 13 ☐ Methyl par.	athion 298-00-0	0.014 4.6
☐ Disulfoton 298-04-4 0.017 6.2 ☐ Methylene	chloride 75-09-2	0.089 30
Dithiocarbamates (total) [6] 137-30-4 0.028 28 Metolcarb	[6] 1129-41-5	0.056 1.4
□ Endosulfan I 959-98-8 0.023 0.066 □ Mexacarba	<u> </u>	0.056 1.4
☐ Endosulfan II 33213-65-9 0.029 0.13 ☐ Molinate (0.042 1.4
☐ Endosulfan sulfate	amine 91-59-8	0.52 NA
☐ Endrin 72-20-8 0.0028 0.13 ☐ 5-Nitro-o-t		0.32 28
☐ Endrin aldehyde 7421-93-4 0.025 0.13 n-Butyl alco	ohol 71-36-3	5.6 2.6
	li-n-butylamine 924-16-3	0.4 17
	iethylamine 55-18-5	0.4 28
	imethylamine 62-75-9	0.4 2.3
	nethylethylamine 10595-95-6	0.4 2.3
☐ Ethyl ether 60-29-7 0.12 160 N-Nitroson	norpholine 59-89-2	0.4 2.3
Ethyl methacrylate 97-63-2 0.14 160 N-Nitrosop	iperidine 100-75-4	0.013 35
Ethyl Oxide 75-21-8 0.12 NA N-Nitrosop	yrrolidine 930-55-2	0.013 35
Ethylene dibromide (1,2-Dibromoethane) 106-93-4 0.028 15 Naphthaler		0.059 5.6
Famphur	100.05.0	0.068 14
	ne 98-95-3	0.000063 0.005

. Organic Constituents (continued) 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063	0.005
i,p-DDD	53-19-0	0.00003	
p.p-DDE	3424-82-6	0.023	
p,p-DDT	789-02-6	0.0039	
p-Cresol	95-48-7	0.0033	
p-Dichlorobenzene	95-50-1	0.088	
p-Nitroaniline	88-74-4	0.27	
p-Nitrophenol	88-75-5	0.028	
Dxamyl [6]	23135-22-0	0.056	
1,3-Phenylenediamine	108-45-2	0.010	
p-Cresidine	120-71-8	0.010	
p.p-DDD	72-54-8	0.013	
p,p-DDE	72-55-9	0.023	
o,p-DDT	50-29-3	0.0039	
o-Chloro-m-cresol	59-50-7	0.0039	
o-Chloroaniline	106-47-8	0.46	
o-Cresol	106-47-8	0.46	
	100-44-5	0.77	3.0
(difficult to distinguish from m-cresol)	106.00 7	0.09	6
p-Dichlorobenzene	106-46-7	0.09	
p-Dimethylaminoazobenzene	60-11-7 100-01-6	0.028	
p-Nitroaniline		0.028	
p-Nitrophenol	100-02-7 56-38-2	0.12	
Parathion		0.014	
Pebulate [6]	1114-71-2 N/A	0.00063	
PeCDDs (All Pentachlorodibenzo-p-dioxins) PeCDFs (All Pentachlorodiebenzofurans)	N/A N/A	0.000035	0.001
Pentachlorobenzene	608-93-5	0.000055	
Pentachlorobenzene Pentachloroethane	76-01-7	0.055	
Pentachloronitrobenzene	82-68-8	0.055	
Pentachlorophenol	87-86-5	0.089	
Phenacetin	62-44-2	0.081	
Phenanthrene	85-01-8	0.059	
Phenol	108-95-2	0.039	
Phorate	298-02-2	0.021	
Phthalic acid	100-21-0	0.055	
Phthalic actu	85-44-9	0.055	
Physostigmine [6]	57-47-6	0.056	
Physostigmine salicylate [6]	57-64-7	0.056	
Promecarb [6]	2631-37-0	0.056	
Promecaro [6]	23950-58-5	0.093	
	122-42-9	0.056	
Propham [6] Propoxur [6]	114-26-1	0.056	
Propoxur (6) Prosulfocarb [6]	52888-80-9	0.042	
Pyrene	129-00-0	0.042	
Pyridine	110-86-1	0.014	
Safrole	94-59-7	0.081	
Silvex (2,4,5-TP)	93-72-1		7.9
1.1.1.2-Tetrachloroethane	630-20-6	0.057	
1.1.1-Trichloroethane	71-55-6	0.054	
1,1,2,2-Tetrachloroethane	79-34-5	0.05	
1,1,2,2-Tetrachioroethane	76-13-1	0.05	
1,1,2-Trichloro-2,2,2-trilladioetrialie	79-00-5	0.054	

105.04.3		
		
58-90-2	0.03	7.4
93-76-5	0.72	7.9
95-95-4	0.18	7.4
88-06-2	0.035	7.4
N/A	0.000063	0.001
N/A	0.000063	0.001
127-18-4	0.056	6
59669-26-0	0.019	1.4
23564-05-8	0.056	1.4
108-88-3	0.08	10
1336-36-3	0.1	10
8001-35-2	0.0095	2.6
2303-17-8	0.042	1.4
79-01-6	0.054	6
75-69-4	0.02	30
101-44-8	0.081	1.5
126-72-7	0.11	0.1
1929-77-7	0.042	1.4
75-01-4	0.27	6
1330-20-7	0.32	30
ns)		
	95-95-4 88-06-2 N/A N/A 127-18-4 59669-26-0 23564-05-8 108-88-3 1336-36-3 8001-35-2 2303-17-8 79-01-6 75-69-4 101-44-8 126-72-7 1929-77-7 75-01-4 1330-20-7	120-82-1 0.055 96-18-4 0.85 58-90-2 0.03 93-76-5 0.72 95-95-4 0.18 88-06-2 0.035 N/A 0.000063 127-18-4 0.056 59669-26-0 0.019 23564-05-8 0.056 108-88-3 0.08 1336-36-3 0.1 8001-35-2 0.095 2303-17-8 0.042 79-01-6 0.054 75-69-4 0.02 101-44-8 0.081 126-72-7 0.11 1929-77-7 0.042 75-01-4 0.27 1330-20-7 0.32

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II. Inorganic Constituents			
Antimony	7440-36-0	1.9 *	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4 *	5.0 mg/l TCLP
Barium	7440-39-3		21.0 mg/i TCLP
Beryllium	7440-41-7	0.82 *	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69 *	0.11 mg/I TCLP
Chromium (Total)	7440-47-3	2.77 *	0.60 mg/l TCLP
Cyanides (Amenable) [4]	57-12-5	0.86	30
Cyanides (Total) [4]	57-12-5	1.2	590
Fluoride [5]	16984-48-8	35	NA
Lead	7439-92-1	0.69 *	0.75 mg/I TCLP
Mercury - All others	7439-97-6	0.15 *	0.025 mg/l TCLP
Mercury - Retort nonwastewater	7439-97-6	NA *	0.20 mg/I TCLP
Nickel	7440-02-0		11.0 mg/l TCLP
Selenium	7782-49-2	0.82 *	5.7 mg/l TCLP
Silver	7440-22-4	0.43 *	0.14 mg/l TCLP
Sulfide	18496-25-8		NA
Thallium	7440-28-0	1.4 *	0.2 mg/i TCLP
Vanadium [4]	7440-62-2		1.6 mg/l TCLP
Zinc [5]	7440-66-6	2.61 *	4.3 mg/I TCLP

I certify that the above is true and correct to the best of my knowledge.						
Authorized Name (Print)	Title					
Authorized Signature	Date					



CES ENVIRONMENTAL SERVICES USA Inc. – UHC FORM

UNDERLYING HAZARDOUS CONSTITUENTS

Date:		
Generator: Address:		
Profile No.		
concentration limi	presented by the above Profile Number is below all of the as indicated on table 268.48 (attached), with the exception of the code and the Sulfide (D003 characteristic code, sulfide) which is	
Certifying Represe	ative:	
	a. Print Name	
	b. Signature	
	c. Company	
	d	

All of a, b, c, d must be completed.

	(EEC) – MATERIAL SAFETY DATA SHEET (in accordance with the Directive 91/155/CEE)		
ZaCh	Substance: N-METHYL-	Compilation date: 24/10/2006 Updating date: 24/05/2007	
Chemical plant: Via Dovaro	PYRIMIDINONE MSDS n° 460	Application:	Active pharmaceutcal ingredient
Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	Ed. n° 2	Row material	Solvent
Fax +39/0444/831192	Page 1	☐ Intermediate ☐ Finished produ	☐ Catalyst
I. PRODUCT AND COMPAN	NY IDENTIFICATION		
1.1. Substance identification			
1.1.1. Chemical name	: N – METHYL – P	YRIMIDINONE	
1.1.2. Common names and	Synonyms :		
1.1.3. Chemical Abstract N	Nomenclature :		
1.1.4. Application	:		
12 Company identification			

: ZaCh System S.p.A.

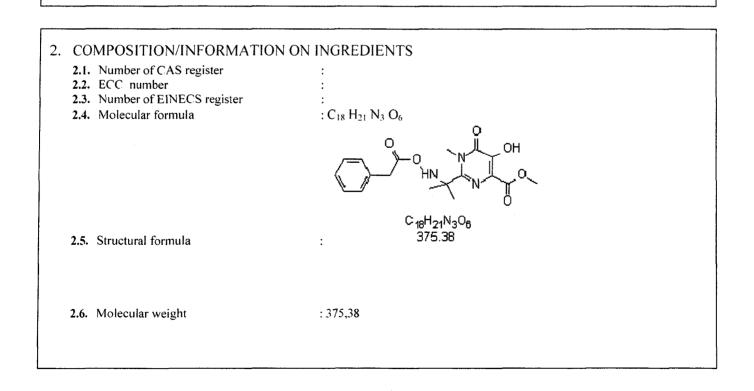
Via Dovaro – Almisano di Lonigo (VI) - Italy Phone +39/0444/433111 – Fax +39/0444/831192

+39/335/7803994; +39/335/1221704

1.2.1. Company identification

Emergency phone number

1.2.2.



		- MATERIAL SAFETY DATA SHEET
7 a C la		accordance with the Directive 91/155/CEE)
Zacn	Substance:	Compilation date: 24/10/2006
SASTEW	N-METHYL	Oparing date: 21/03/2007
Chemical plant:	PYRIMIDINO	Application:
Via Dovaro	MSDS n° 460	ingredient
Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	Ed. n° 2	Row material Solvent
Fax +39/0444/831192	Dogg 2	☐ Intermediate ☐ Catalyst
	Page 2	☑ Finished product ☐ Reagent
 3. HAZARD IDENTIFICATI	ON	
		properties of this material have not been fully investigated
randic with caution for chemica	i substance, the toxicological	properties of this material have not occir fairy investigated
4. FIRST AID MEASURES		
	Wt	Contact a physician
4.1. Ingestion : Wash out the mouth with copious ammount of water. Contact a physician.		
4.2. Inhalation : Take the wounded outside from the hazardous area. Contact a physician.		
4.3. Skin contact : Flush exposed area with large amounts of water		
4.4. Eyes contact :	Wash immediately with copie	ons amount of water keeping eyelids wide open
4.5. Other information :		
5. FIRE-FIGHTING MEASU	RES	
5.1. Adeguate extinguishing mea	asures	: Water, foam, chemical powder
74 P. S. 111		
5.2. Extinguishing measures to be	be avoided	:
5.3. Dangerous from combustion products		: It can emit toxic smocks of carbon monoxide and nitric oxides
5.4. Special protection equipmen	nt for fire extinguishing	: Protective means suitable for the specific risk
5.5. Other information		;

		TERIAL SAFETY D	
ŹáĆŸ	Substance: N-METHYL-	Compilation date:	
Chemical plant: Via Dovaro	PYRIMIDINONE MSDS n° 460	Application:	Active pharmaceutcal ingredient
Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	Ed. n° 2	Row material	Solvent
Fax +39/0444/831192	Page 3	☐ Intermediate ☐ Finished produc	☐ Catalyst t ☐ Reagent
6. ACCIDENTAL RELEASE	MEASURES		
6.1. Absorbing and cleaning proc	edures : Collect with mechanica containers to send to di		ing dust. Place into suitable
6.2. People protection	: Use gas-mask with P3	class powder filter, glove	es and protective garments
6.3. Other suggestions	: Avoid raising dust.		
7.1. Handling: Handle under asp7.2. Storage: Store containers	-		
8. INDIVIDUAL EXPOSURE/	PROTECTION CONTROL		
8.1. General information	: Supply the manufacturing area v	vith aspiration system	
8.2. Hygiene measures	: Use according to good handling	rules. Do not eat or drin	nk in the manufacturing area
8.3. Respiratory protection	: Gas-mask with powder P3 filter.		
8.4. Hand protection	: Gloves		
8.5. Skin protection	: Protective garments		
8.6. Eyes protection	: Security gloves		
8.7. Exposure limits8.7.1. TLV/TWA (ACGIH, 8.7.2. TLV/CEILING (ACC			
Also if there is not TLV operators necessary equipments during hand			ase in atmosphere and use all

		ERIAL SAFETY Date with the Directive 9	
ZąCh	Substance: N-METHYL-	Compilation date:	e: 24/10/2006 24/05/2007
Chemical plant:	PYRIMIDINONE	Application:	Active pharmaceutcal
Via Dovaro	MSDS n° 460		ingredient
Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	Ed. n° 2	Row material	☐ Solvent
Fax +39/0444/831192	Page 4	☐ Intermediate	☐ Catalyst
		☑ Finished produ	ct 🗆 Reagent

9.	PHYSICA	AL AND CHEMICAL PROPERTIES	
	9.1. Aspec	t	
	9.1.1.	Physical state : Solid, powder	
ı	9.1.2.	Colour : White	
	9.1.3.	Odour :	
	9.2. Impor	tant data for safety:	
	9.2.1.	· · · · · · · · · · · · · · · · · · ·	: Insoluble; soluble in basic water solution
İ	9.2.2.	Solubility in main organic solvents	: Little soluble in acetone and methanol
	9.2.3.	Density	•
	9.2.4.	Melting point	:
İ	9.2.5.	Boiling point	:
	9.2.6.	Flash point	;
į	9.2.7.	Lower and higher flash limit in air (% vol.)	;
	9.2.8.	Autoignition temperature	
1	9.2.9.	Decomposition temperature	
		Vapour pressure	
		pH valor	
		Vapor density	;
		Octanol/water partition rate (log P)	
		Limiting oxygen concentration (LOC %v/v)	
		MEC (minimum explosive concentration)	:
		MIE (minimum ignition energy)	:
		MIT (minimum ignition temperature-dust cloud)	:
		LIT (minimum ignition temperature – powder in strate	e):
		Dust explosion constant (Kst)	;
		Powder class (ST)	
		Estimated on set temperature of exothermic behaviour	:
	9.2.22.	Further information	

Via Dovaro MSDS n° 460 Ed. n° 2 ingredient Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111 Page 5 Row material Solvent Page 5 Intermediate Catalyst Intermediate Reagent 10. STABILITY AND REACTIVITY 10.1. Conditions to be avoided solvent 10.2. Materials to be avoided solvent 10.3. Dangerous decomposition products solvent 10.4. Other information solvent			ATERIAL SAFETY Dataset with the Directive 91	
Via Dovaro Almisano di Lonigo (VT) - ITALY Phone -39/0444/4331192 Page 5 Row material Solvent	ZąÇh	N-METHYL-	Y '	
Almisano di Lonigo (VI) - ITALY Phone - 39/0444/8311192 Page 5 Page 5 Row material □ Solvent Intermediate □ Catalyst □ Finished product □ Reagent 10. STABILITY AND REACTIVITY 10.1. Conditions to be avoided : n.a. 10.2. Materials to be avoided : n.a. 10.3. Dangerous decomposition products : n.a. 10.4. Other information : 11. Routes of entry: 11.1.1. Ingestion : Yes 11.1.2. Inhalation : Yes 11.1.3. Contact : 11.2. General information: 11.3. Acute toxicity: LD ₅₀ (oral) [mg/kg] : n.a. LC ₅₀ (inhalation) [mg/V4h] : n.a. 11.4. Other toxicity data: 11.5. Chronic toxicity: □ Carcinogenicity : n.a. □ Mutagenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a. □ Teratogenicity : n.a.			Application:	☐ Active pharmaceutcal
Page 5 Intermediate Catalyst	Almisano di Lonigo (VI) - ITALY		Row material	•
Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image: Image:	,	Dans 5	_	
10.1. Conditions to be avoided : n.a. 10.2. Materials to be avoided : n.a. 10.3. Dangerous decomposition products : n.a. 10.4. Other information : 11. TOXICOLOGICAL INFORMATION 11.1. Routes of entry:		rage 5	☑ Finished produc	Reagent
10.2. Materials to be avoided : n.a. 10.3. Dangerous decomposition products : n.a. 10.4. Other information : 11. TOXICOLOGICAL INFORMATION 11.1. Routes of entry:	10. STABILITY AND REACTI	VITY		
10.3. Dangerous decomposition products : n.a. 10.4. Other information : 11. TOXICOLOGICAL INFORMATION 11.1. Routes of entry:	10.1. Conditions to be avoided	: n.a.		
11. TOXICOLOGICAL INFORMATION 11.1. Routes of entry:	10.2. Materials to be avoided	: n.a.		
11. TOXICOLOGICAL INFORMATION 11.1. Routes of entry:	10.3. Dangerous decomposition pro	oducts : n.a.		
11.1. Ingestion : Yes 11.1.2. Inhalation : Yes 11.1.3. Contact :	10.4. Other information	:		
11.1.1. Routes of entry: 11.1.1. Ingestion : Yes 11.1.2. Inhalation : Yes 11.1.3. Contact : 11.2. General information: LD ₅₀ (oral) [mg/kg] : n.a. LD ₅₀ (skin) [mg/kg] : n.a. : n.a. LC ₅₀ (inhalation) [mg/l/4h] : n.a. : n.a. 11.5. Chronic toxicity: • Carcinogenicity : n.a. • Mutagenicity : n.a. • Teratogenicity : n.a. 11.6.1. Skin : n.a. : n.a. 11.6.2. Eyes : n.a. : n.a. 11.6.3. Mucous membrane : n.a : n.a.				
11.1.1 Ingestion : Yes 11.1.2 Inhalation : Yes 11.1.3 Contact :	11. TOXICOLOGICAL INFOR	MATION		
11.3. Acute toxicity: $LD_{50} \text{ (oral) } [mg/kg] : \text{ n.a.}$ $LC_{50} \text{ (inhalation) } [mg/l/4h] : \text{ n.a.}$ 11.4. Other toxicity data: $Carcinogenicity : \text{ n.a.}$ $Mutagenicity : \text{ n.a.}$ $Teratogenicity : \text{ n.a.}$ $Teratogenicity : \text{ n.a.}$ 11.6.1. Skin : n.a. $11.6.2. \text{ Eyes} \qquad : \text{ n.a.}$ 11.6.3. Mucous membrane : n.a. $: \text{ n.a.}$ 11.6.3. Mucous membrane : n.a.	11.1.1. Ingestion: Yes 11.1.2. Inhalation: Yes			
LD ₅₀ (skin) [mg/kg] : n.a. LC ₅₀ (inhalation) [mg/l/4h] : n.a. 11.4. Other toxicity data: 11.5. Chronic toxicity: Carcinogenicity : n.a. Mutagenicity : n.a. Teratogenicity : n.a. 11.6.1. Skin : n.a. 11.6.2. Eyes : n.a. 11.6.3. Mucous membrane : n.a	11.2. General information:			
LC ₅₀ (inhalation) [mg/l/4h] : n.a. 11.4. Other toxicity data: 11.5. Chronic toxicity: Carcinogenicity : n.a. Mutagenicity : n.a. Teratogenicity : n.a. 11.6. Corrosive/Irritant action: 11.6.1. Skin : n.a. 11.6.2. Eyes : n.a. 11.6.3. Mucous membrane : n.a	11.3. Acute toxicity:	LD ₅₀ (oral) [mg/kg]	: n.a.	
11.4. Other toxicity data: 11.5. Chronic toxicity: Carcinogenicity: n.a. Mutagenicity: n.a. Teratogenicity: n.a. 11.6. Corrosive/Irritant action: 11.6.1. Skin: n.a. 11.6.2. Eyes: n.a. 11.6.3. Mucous membrane: n.a				
11.5.Chronic toxicity: Carcinogenicity: n.a. Mutagenicity: n.a. Teratogenicity: n.a. 11.6.Corrosive/Irritant action: 11.6.1. Skin: n.a. 11.6.2. Eyes: n.a. 11.6.3. Mucous membrane: n.a	11.4 Other toxicity datas	EC-50 (iiiididdoi) [mg//-m]	. II.a.	
 Carcinogenicity: n.a. Mutagenicity: n.a. Teratogenicity: n.a. 11.6.Corrosive/Irritant action: 11.6.1. Skin: n.a. 11.6.2. Eyes: n.a. 11.6.3. Mucous membrane: n.a 				
Mutagenicity: n.a. Teratogenicity: n.a. 11.6.Corrosive/Irritant action: 11.6.1. Skin: n.a. 11.6.2. Eyes: n.a. 11.6.3. Mucous membrane: n.a	·			
11.6.1. Skin : n.a. 11.6.2. Eyes : n.a. 11.6.3. Mucous membrane : n.a	Mutagenicity : n.a.			
11.7 Other information:	11.6.1. Skin 11.6.2. Eyes	: n.a.		
11. Out minimation.	• •			

	· · · · · · · · · · · · · · · · · · ·	
		TERIAL SAFETY DATA SHEET ance with the Directive 91/155/CEE)
ZąÇħ	Substance: N-METHYL-	Compilation date: 24/10/2006 Updating date: 24/05/2007
Chemical plant:	PYRIMIDINONE	Application:
Via Dovaro Almisano di Lonigo (VI) - ITALY	MSDS n° 460	ingredient
Phone +39/0444/433111	Ed. n° 2	☐ Row material ☐ Solvent
Fax +39/0444/831192	Page 6	☐ Intermediate ☐ Catalyst
		☐ Finished product ☐ Reagent
10 500100100110001100		
12. ECOLOGIC INFORMATIO		
12.1. Ecotoxicity	: n.a	
12.1.1. Behavior inside p	ourification system (bacterial toxic	city. Reproductive/respiratory inhibition): n.a
12.2.Mobility	: n.a	
12.3. Persistence/degradability	: n.a	
12.4. Bioaccumulation potential	: n.a	
12.5.Other negative effects on en	ivironment :	
12.6.Other ecological indications	:	

13. DISPOSAL CONSIDERATIONS

Disolve or mix the product with a combustible solvent, then burn in a incinerator for chemical products equipped with afterburner and a scrubber.

Dispose in accordance with all regulations about environment protection.

	(E		TERIAL SAFETY D	
Zach Chamical plants	Substance: N-METI PYRIMID	HYL-	Compilation date Updating date:	: 24/10/2006 24/05/2007
Chemical plant: Via Dovaro Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	MSDS n° Ed. n°	460	Application: Row material	Active pharmaceutcal ingredientSolvent
Fax +39/0444/831192	Page	7	☐ Intermediate ☑ Finished produc	☐ Catalyst
14. TRANSPORT INFORMAT This substance is not considered Proper shipping name/description:		ng to Interna	tional Transport Regul	ations
14.1.Road and railway transport (Class: Packaging Group :	RID/ADR): UN n. :	Classifica	tion code :	Label :
14.2.Shipping transport (IMDG C Class: Packaging Group:	Code): UN.n. :	EmS:	Label :	M.POU.:
14.3.Air transport (ICAO / IATA) Class: Packaging Group:	: UN.n.:		Label :	
15. REGULATORY INFORMA	ATION			
15.1.Labeling in accordance with	ECC Directive:	1) legal	2) tempo	orary 3) <u>not required</u>
15.2. Hazard symbol	:			
15.3.R phrases	: :			
15.4 S phrases	:			
15.5 Law references :				
15.5.1 Medical checks of law:	Periodic and preven	nt medical exam	minations according to p	physician and Italian regulations
15.5.2 DPR 175/88 and follow	wing updatings :			
15.5.3 Compulsory insurance	(table DPR 336/94	Italian regula	tion-):	

(EEC) - MATERIAL SAFETY DATA SHEET (in accordance with the Directive 91/155/CEE) Substance Compilation date: 24/10/2006 N-METHYL-Updating date: 24/05/2007 **PYRIMIDINONE** Chemical plant: Application: Active pharmaceutcal Via Dovaro MSDS n° 460 ingredient Almisano di Lonigo (VI) - ITALY Ed. nº 2 Row material □ Solvent Phone +39/0444/433111 +39/0444/831192 Intermediate Catalyst Page 8 Finished product Reagent

16. OTHER INFORMATION 16.1. Notes: n.a.: Not available **BILIOGRAPHY:** 16.2. Other information 16.3. Compilator 16.4. Compilation date : 24/10/2006 16.5. Last updating date : 24/05/2007 16.6. Validity date : 24/05/2009 16.7. Printing date : 24/05/2007 16.8. Pages number 16.9. Emergency phone number: +39/335/7803994; +39/335/1221704

Information supplied in this "Material Safety Data Sheet" is based on the best available information and our experience, and it is not exhaustive. It is applied on the product exactly as it is, in case of mixture or compound make sure that no new danger can rise.

In any case people who handle the product must respect the current law and regulation related to the product, hygiene and security on work place.

	(EEC) – MATERIAL SAFETY DATA SHEET (in accordance with the Directive 91/155/CEE)		
ZąÇ'n	Substance: N-METHYL-	Compilation date: Updating date:	24/10/2006 24/05/2007
Chemical plant:	PYRIMIDINONE	Application:	Active pharmaceutcal
Via Dovaro	MSDS n° 460		ingredient
Almisano di Lonigo (VI) - ITALY Phone +39/0444/433111	Ed. n° 2	Row material	Solvent
Fax +39/0444/831192	Page 9	☐ Intermediate	☐ Catalyst
	l age 7	☑ Finished produc	t 🗌 Reagent

SUBSTANCE IDENTI	FICATION	
Common name: N-METH	YL-PYRIMIDINONE	Molecular formula: $ \mathbf{C}_{18} \; \mathbf{H}_{21} \; \mathbf{N}_3 \; \mathbf{O}_6 $
Use:		
Approved DS		Date:
Approved Dir. R & D		Date:
Approved by Sic		Date:

Material Safety Data Sheet acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

1 Identification of substance:

Product details:

Product name: Dimethyl acetylenedicarboxylate

Stock number:

A11437 L01143

Manufacturer/Supplier:

Alfa Aesar, A Johnson Matthey Company Johnson Matthey Catalog Company, Inc.

30 Bond Street

Ward Hill, MA 01835-8099

Emergency Phone: (978) 521-6300

CHEMTREC: (800) 424-9300 Web Site: www.alfa.com

Information Department: Health, Safety and Environmental Department

Emergency information:

During normal hours the Health, Safety and Environmental Department.

After normal hours call Chemtrec at (800) 424-9300.

2 Composition/Data on components:

Chemical characterization:

Description: (CAS#)

Dimethyl acetylenedicarboxylate (CAS# 762-42-5); 100%

Identification number(s): **EINECS Number:** 212-098-4

3 Hazards identification

Hazard description:



C Corrosive

Information pertaining to particular dangers for man and environment

R 22 Harmful if swallowed.

R 34 Causes burns.

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

HEALTH FIRE 1 REACTIVITY 1

Health (acute effects) = 2Flammability = 1Reactivity = 1

4 First aid measures

General information

Immediately remove any clothing soiled by the product.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 2)

Material Safety Data Sheet acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

Product name: Dimethyl acetylenedicarboxylate

(Contd. of page 1)

Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing Seek immediate medical advice.

5 Fire fighting measures

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards caused by the material, its products of combustion or resulting gases:

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

6 Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling:

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away.

Protect against electrostatic charges.

Storage

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Do not store together with oxidizing and acidic materials.

Store away from reducing agents.

Store away from strong bases.

(Contd. on page 3)

Material Safety Data Sheet acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

Product name: Dimethyl acetylenedicarboxylate

(Contd. of page 2)

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components with limit values that require monitoring at the workplace:

Not required.

Additional information: No data

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

Use suitable respirator when high concentrations are present.

Protection of hands: Impervious gloves

Eye protection:

Tightly sealed goggles Full face protection

Body protection: Protective work clothing.

9 Physical and chemical properties:

Form:	Liquid
Color:	Colorless
Odor:	Not determined
Change in condition	
Melting point/Melting range:	
Boiling point/Boiling range:	95-98°C (203-208°F) (19mm Hg)
Sublimation temperature / start:	Not determined
Flash point:	86°C (187°F)
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Danger of explosion:	Product does not present an
	explosion hazard.
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Vapor pressure:	Not determined
Density at 20°C (68°F):	1.1564 g/cm³

(Contd. on page 4)

Material Safety Data Sheet

acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

Product name: Dimethyl acetylenedicarboxylate

(Contd. of page 3)

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.

Materials to be avoided:

Acids

Oxidizing agents

Reducing agents

Bases

Dangerous reactions No dangerous reactions known

Dangerous products of decomposition: Carbon monoxide and carbon dioxide

11 Toxicological information

Acute toxicity:

LD/LC	:50 val	ues that are relevant for classification:
Oral	LD50	550 mg/kg (mus)
	LDLo	50 mg/kg (rat)

Primary irritant effect:

on the skin:

Corrosive effect on skin and mucous membranes.

Irritant to skin and mucous membranes.

on the eye:

Strong corrosive effect.

Lachrymatory effect.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity:

Subacute to chronic toxicity:

Dimethyl acetylenedicarboxylate is a poisonous, corrosive liquid. Fumes are irritating and lachrimatory. Ingestion causes somnolence, ataxia, and coma.

Subacute to chronic toxicity:

Corrosive materials are acutely destructive to the respiratory tract, eyes, skin and digestive tract. Eye contact may result in permanent damage and complete vision loss. Inhalation may result in respiratory effects such as inflammation, edema, and chemical pneumonitis. May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Ingestion may cause damage to the mouth, throat and esophagus. May cause skin burns or irritation depending on the severity of the exposure.

Additional toxicological information:

Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

12 Ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 5)

A2U --

Material Safety Data Sheet acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

Product name: Dimethyl acetylenedicarboxylate

(Contd. of page 4)

Do not allow material to be released to the environment without proper governmental permits.

13 Disposal considerations

Product:

Recommendation

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

DOT regulations:



Hazard class:

Ω

Identification number:

UN1760

Packing group:

III

Proper shipping name (technical

name):

CORROSIVE LIQUID, N.O.S. (Dimethyl

acetylenedicarboxylate)

Label

8

Land transport ADR/RID (cross-border)



ADR/RID class:

8 (C9) Corrosive substances

Danger code (Kemler):

80

UN-Number:

1760

Packaging group:

III

Description of goods:

1760 CORROSIVE LIQUID, N.O.S. (Dimethyl

acetylenedicarboxylate)

Maritime transport IMDG:



IMDG Class:

8

UN Number:

1760

Label

8

Packaging group:

ITT

Proper shipping name:

CORROSIVE LIQUID, N.O.S. (Dimethyl

acetylenedicarboxylate)

(Contd. on page 6)

USA

Material Safety Data Sheet acc. to OSHA and ANSI

Printing date 12/20/2007

Reviewed on 01/19/2007

Product name: Dimethyl acetylenedicarboxylate

(Contd. of page 5)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class:

UN/ID Number:

Label

Packaging group:

Proper shipping name:

1760

TTT

CORROSIVE LIQUID, N.O.S. (Dimethyl

acetylenedicarboxylate)

15 Regulations

Product related hazard informations:

Hazard symbols:

C Corrosive

Risk phrases:

22 Harmful if swallowed.

34 Causes burns.

Safety phrases:

20 When using do not eat or drink.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face

protection.

45 In case of accident or if you feel unwell, seek medical advice

immediately.

60 This material and its container must be disposed of as hazardous waste.

National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Non-Domestic Substances List (NDSL).

Information about limitation of use:

For use only by technically qualified individuals.

16 Other information:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the $% \left(1\right) =\left(1\right) \left(1\right)$ health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing MSDS: Health, Safety and Environmental Department. Contact: Paul V. Connolly

NOV Dailling topinionet (welfile pax)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/9/2008

Dear Ed Joye

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2881

Expiration Date 7/9/2010

Generator: NOV Drilling Equipment (West Little York)

Address: 12950 W. Little York

Houston, TX 77041

Waste Information

Name of Waste: Bead blast steel shot

TCEQ Waste Code #: 00543192

Container Type:

Detailed Description of Process Generating Waste:

Metal finishing and preparation process

Color: grey

Odor: none

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Sop

CES Environmental Services, Inc.

23

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPAID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information Company: Nov Drilling Equipment (West Little York) Address: 12950 West Little York City: State: Texas Houston Zip: 77041 Ed Joye Contact: Title: Phone Number: 832.655.3849 7/3-937-550 Fax Number: 24/hr Phone Number: 713,676,1460 US EPA ID No: TXT490014180 State ID No: 32145 SIC Code: SECTION 2: Billing Information -Same as Above Company: Address: City: State: Zip: Title: Contact: Fax Number: Phone Number: SECTION 3: General Description of the Waste Name of Waste: Bead blast steel shot Detailed Description of Process Generating Waste: Metal finishing and preparation process ☐ Sludge Physical State: Liquid Powder Fifter Cake Combination [J Solid Odor: none Calor: grey 16 lbs/gal Density: Specific Gravity (water~1): Yes ☑ No. Does this material contain any total phenolic compounds? Does this material contain any para substituted phenolic compounds? No No is the Waste subject to the benzene waste operation NESHAP? [40 CFR Part 61, Subpart FF] Yes ₹ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2834 2833 2824 2821 2822 2823 2816 2819 2813 2812 2861 2865 2869 2844 2851 2841 2842 2843 2836 2835 2895 2899 2911 2892 2893 2891 2876 2879 2874 2873 4953 4959 9511 3312 Multi-phase Single-phase Lavers: Truck 🔲 Other (explain) ☐ Tote Drum Container Type: Frequency: [Weekly @ Monthly] Yearly Dee-Time Quantity:

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

If "Yes", Is it: [Characteristic for Toxic	Metals: 00		5 🗆 🗆 000	0003 (Reactive)	B 🔲 000s	
haracleristic for Toxic	Organics: D012 thru D043					
	ed waste or mixed with o	ne?	☐ Ye	s I No		
O CFR 261.33(e) or (f)?			a "U" or "P" w]No	vaste code under		
in , ves , then please ii exas State Waste Code	ist ALL applicable codes:	005431	92	3072		
roper US DOT Shipping	Name: Non RCRA	Non DOT Re	gulated Mater	ral		
Sass: na	UN/NA: na	PG :	na	RQ: <u>na</u>	•	
Flash Point	рН	Reacti	ve Sulfides	Reactive Cyanides	Solids	
>200	neutral	ō	me/i	0 mg/1	100	%
OH & Grease	TOC <1500 mg/f	0	Zinc mg/l	Copper 0 mg/l	Nic 0	kel mg/i
The waste cons	WPONENTS TABLE ists of the following mater stand silicia and metal	rials		CONCENTRATOIN Ranges are acceptable		UNITS or %
	st and silicia and metal		\$0-80			
	Metal Dirt		50-80 0-8			

TITLE: SR. HSE SPECIALIST DATE: 07-09-08

☐ Yes

CDD Environmental Bervice

SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. **SECTION 6: Attached Supporting Documents** List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. analytical **SECTION 7: Incompatibilities** Please list ALL incompatibilities (if any): Oxidizers SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge: **TCLP Metals:** TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: lenitability: SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Proximing to Pro-Treatment Requirements for Centralized Waste Treatment Facilities) ☐ YES ☑ NO Is this material a wastewater or wastewater sludge? If "Yes", complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metais Subcategory: Subpart A ___ Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, cinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkeline and acid solutions used to clean metal parts or equipment <u> Oils Subcategory</u>: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants
Contaminated groundwater clean-up from petroleum sources Used petroleum products ☐ Oil spill clean•up Bilgs water
 Rinse/wash waters from petroleum sources Bilge water Robbin & Thought 7-9-08 CES Profile # 2881

EPAHO106001318

Keith Prescott

UUL-UD-2000 13:02 06/19/2008 16:23 CED Environmental Bervice

(713) 937-5507 713 676 1676

p.5 P.05

PAGE 08/19

Mercury Environmental Services, Inc.

2814764496

6913 HWY 225, Deer Park, JX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: 7134175737 (713) 676-1676

Attn:

Gary Brauckman

- CERTIFICATE OF RESULTS -

MES Lab#:

8060048

Client Sample 10:

Bead Blast Steel Shot

Extended ID:

Nov Wty / PO#0608-08

Sample Collect Date: 6/2/2008 @ 5:00:00 PM

Sample Receipt Date: 6/3/2008 @ 1:20:00 PM

Sample Type:

Comp

Toot Group / Mathed

TCLP Metals (11)					Analyst: JA	
Method: SW-848 6010B	MDL	RL	Result	Units	Date / Time	
Antimony	0.032	1	< 0.032	mg/L	6/9/2008 /	11:23 AM
Arsenic	0.014	5	< 0.014	നള്പ്	6/9/2008 /	11:23 AM
Barium	0.0005	100	0.835	mg/L	6/9/2008 /	11:23 AM
Beryllium	0.0005	0.08	< 0.0005	mg/L	6/9/2008 /	11:23 AM
Cadmium	0.002	1	0:031	mg/L	G/9/2000 /	11:23 AM
Chramium	0.002	5	< 0.002	mg/L	6/9/2008 /	11:23 AM
Lead	0.006	5	0.022	mg/L	6/9/2008 /	11:23 AM
Nickel	0.003	70	0.182	mg/L	6/9/2008 /	11:23 AM
Selenium	0.024	1	< 0.024	mg/L	6/9/2008 /	11:23 AM
Silver	0.002	5	< 0.002	mg/L	6/9/2006 /	11:23 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Result	Units	Analyst: JA Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	6/5/2008 /	12:16 PM
Total Petroleum Hydrocarbons Solid Method: TNRCC 1006			Result	Units	Analyst: TFF Date / Time	₹ .
C6 - C12 Hydrocarbons	4		< 4	mg/kg	8/5/2008 /	9:55 PM
>C12 - C28 Hydrocarbons	8		67	mg/Ng	6/5/2008 /	9:55 PM
>C28 - C36 Hydrocarbons	8		< 8	mg/kg	6/5/2008 /	9:55 PM
Total TPH	20		67	mg/kg	6/5/2008 /	9:55 PM

Flago: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Thursday, June 19, 2008

John Keller, Ph.D., Lab Director

Date

Report Date: 19-Jun-08

Page 1 of 1

CED EUATI.OUMEURGI DALAICA

(713) 937-5507 113 010 1016

p.6

F. 06

06/19/2008 16:23

2814764406

MES

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806004B

MERCURY ENVIRONMENTAL SERVICES **QAVQC REPORT**

ANALYTES	METHOD TPH1005	MB mg/kg		CCV %REC	MS %REC	MSD %REC				ļ
C6-C12		<4		105.2	97.0	113.4				
C12-C28		<8		107.4	98.4	114.6				
ANALYTE	MB mg/L	LCS %REG	LCSD %REC	RPD	CCB mg/L		CCV %REC	LOW CHECK STD	ics %rec	
Antimony	< 0.032	103.8	98.8	4.69	< 0.032		96:5	118.0	96.4	
Arsenic	< 0.005	100.3	91,9	8.72	< 0.009	5	98.3	106.0	90.4	
Barium	< 0.002	101.0	97.6	3.48	< 0.002	<u>!</u>	92.6	92.4	86.1	
Beryllium	< 0.002	90.9	96.9	5.36	< 0.002	!	92.6	93.6	93.5	
Cadmium	< 0.001	95.3	91.9	3.58	< 0.001		88.1	91.6	83.4	* 1
Chromium	< 0.001	106.5	107.8	1.21	< 0.001	ı	92.9	96.4	90.7	
Lead	< 0.002	91.4	98.3	0.95	< 0.002	<u> </u>	93.0	93.9	82.3	
Mercury	< 0.0002	101.0	97.5	3.53	< 0.000	12	102.0	100.0		
Nickel	< 0.001	103.0	104.0	0.97	< 0.001	}	94.3	95.2	85.3	ļ
Selenium	< 0.024	104.0	93.5	10.69	< 0.024	, .	96.3	97.8	94.1	
Silver	< 0.001	101.4	97.8	3.61	< 0.001		97.2	96.0	90.8	

Key to QA Abbreviations

MS=Matrix Spike RPD-Relative Percent Deviation LCS=Laboratory Control Standard CCB=Continuing Calibration Blank MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate MB=Method Blank CCV=Continuing Calibration Verification %Rec=Percent Recovery KL=Regulatory Limit

Signature:

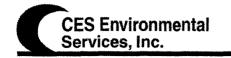
June 19, 2008

- Mercury Environmental Services, Inc. -



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

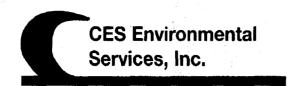
1. Base Pricing (including freight):		<u> </u>		
\$50/ drum Trans \$70/ hr	+ FSC			
2. Contamination Limit (maximum limit before surcl	hages apply):			
No Lignids				
-				
3. Surcharge Pricing:			<u></u>	
·		* .		
		<u>.</u>		
4. Special Testing Requirements:				
5. Treatment and Handling Protocol:				
Class 2 Jolig)				
21000 2 361.01				
·				
·				
6. Treated Wastewater Discharge Subcategory:				
Subcategory A Subcategory B	Subcategory C			



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for P	Product Recovered/	Recycled (if appli	cable):		
8. Managem	ent for Product Red	overed/Recycled	(if applicable)		

Inter Chem Inc.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/10/2008

Dear Andre Corley/Mike Savoy

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2883

Expiration Date 7/10/2010

Generator: InterChem Inc.

Address: 1502 Fort Worth Street

Liberty, TX 77575

Waste Information

Name of Waste: Nonhazardous wastewater

TCEQ Waste Code #: CESQ1191

Container Type:

Detailed Description of Process Generating Waste:

Rain water in containments with trace amounts of IPA and foamer intermediate. Residue

from containments after a hard rain in Tank 118.

Color: clear

Odor: very slight amine

pH: 6-9

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. TRP



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mate	erial Producer Informati	<u>on</u>			
Company:	InterChem Inc.				
Address:	1502 Fort Worth Stree	et			
City, State, Zip:	Liberty, TX 77575				
Contact:	Mike Savoy-One Sou	rce	Title:		InterChem
Phone No:	281-838-5093		Fax No:	936-336-:	5779
24/hr Phone:	281-838-5093				
U.S. EPA I.D. No:	TXCESQG				
State I.D.	CESQG		SIC Code:		* · · · · · · · · · · · · · · · · · · ·
SECTION 2: Billin	ng Information – 🔲 San	ne as Above			
Company:	One Source Industrial				
Address:	5006 Railroad Ave.				
City, State, Zip:	Deer Park, TX 77536				_
Contact:	Mike Savoy	Title:	Agent for Inte	rChem	
Phone No:	281-838-5093	Fax No:	281-479-9699		
Name of Material / Detailed Descriptio	ntermediate. Residues fro	s Waste Water		,	in containments with trace amounts
Specific Gravity (w	ater=1): <u>.9-1</u>	Density: 8.3 lbs/gal			
Does this material	contain any total phenoli	ic compounds? Yes	⊠ No		
Does this material	contain any para substitu	uted phenolic compound	s? 🗌 Yes 🛛	No	
Layers:	Single-phase	☐ Multi-phase			
Container Type: Container Size:	Drum [Tote ⊠	Truck 5000		Other (explain)
Frequency: Number of Units (c		Monthly □ Other:	Quarterly		Yearly
Proper U.S. DOT S	hipping Name:	Non-RCRA			
Class: Na	UN/NA:	Na	PG: Na		RQ: Na

JUL-10-2008 Flash Point >200	11:27 CES PH 6-9	N/A	N/A	713749B664 Nolids %	F.002
Oil&Grease <u>Na</u> mg/l	TOC 2-3000mg/l	Zinc mg/l	Copper mg/l	Nickel mg/l	

SECTION 4: Physical and Chemical Data

CONTROL GENERAL SERVICES	Sione and a superior	
The material / product consists of the following materials	Ranges are acceptable	or %
Rain Water	99-99.8	%
IPA	,12	%
Foamer Intermediate	.12	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

<u>Level D PPE</u>

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. In House Analysis. MSDS sheets, generator knowledge

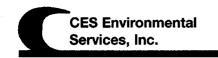
SECTION 7: Incompatibilities

Please list all incompatibilities (if any): None

SECTION 8: Material Producer's Certification

The information contained herein is based on \(\sum \) generator knowledge and/or \(\sum \) analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.
Authorized Signature: Date: 07/10/08
Date: Off Total

Printed Name/Title:	
• • • • • • • • • • • • • • • • • • •	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: John Change	
Date: 1-10-08 Approved Rejected	
Approval Number: 2883	



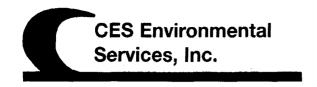
PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	.12/gal <5000 TOC, <6 zinc
2.	Contamination Limits (maximum limit before surcharges apply):
	Zinc >8 PPM, TOC >5000-Call Dan Bowman-713-854-6150
	Call if Amine smell is more than very slight
3.	Surcharge Pricing:
	Case by Case from Sales rep
,	
4.	Special Testing Requirements:
	TOC, Zinc, Flash, PH
5.	Treatment and Handling Protocol:
	Waste water treatment
6.	Treated Wastewater Discharge Subcategory:
	·
	☐ Subcategory A ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	lests for Product Recovered/Recycled (II applicable):
	Na ·
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable): Na
8.	
8.	
8.	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Date: 07/07/08

To: Dan Bowman

Cc: Kelli Lofton, Gary Peterson, Prabhaker

From: Miles Root Lab Memo: 08-123

Subject: One Source Evaluations 0708-14 & 15

Two samples of waste water from One Source, Liberty, TX have been evaluated for potential processing at CES. These samples are evaluations 0708-14 & 15, and are waters cleaned from a spill of drilling additives mixed with rain water. Overall, both samples are potentially acceptable for processing at CES. High amines may be an issue when treated and discharged and both streams are slightly elevated in zinc.

Evaluation 0708-14 is from tank 116. This sample has an odor of amines. Hydrogen peroxide will not remove this odor. This sample has a flash point greater than 140 deg F, a pH of 8 and only 1 ppm phenol. There are no oils and only a trace of solids. The water treats with some difficulty and is slow to phase separate. When it does, the water is murky and not clear as it should be. The TOC on the treated water is high enough to warrant a surcharge at 9700 ppm and the zinc in approximately 7.3 ppm. The amine odor may be an issue for the city discharge and needs to be considered.

Evaluation 0708-15 is tank 118. This sample also has an odor of amines. Hydrogen peroxide will not remove this odor. This sample has a flash point greater than 140 deg F, a pH of 9 and only 1 ppm phenol. There are no oils or solids. This water also treats with some difficulty and is slow to phase separate. The separated water is close to clear in appearance. The TOC is an acceptable 2963 ppm and the zinc concentration is a slightly elevated 5.9 ppm. The amine odor may be an issue for the city discharge and needs to be considered.

The table below summarizes the analytical testing on these samples.



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

One Source Evals 0708-14 & <u>15</u>					
0708-14 (0708-15					
	T-116	T-118			
Neat					
Oil, vol%	0	0			
Solids, vol%	Trace	0			
Flash Point, deg F	>140	>140			
рН	8	9			
phenols, ppm	1	1			
Treated					
TOC, ppm	9700	2963			
Metals, ppm					
Cd	0.236	0.182			
Cr	0.918	0.218			
Cu	0.78	0.274			
Ni	1.945	1.746			
Zn	7.3	5.9			

***************************************	MATERIAL CA	PETY DATA SHEET		
MSDS NUMBER: 1842 PART NUMBER: INC 1842 PRODUCT MAME. INC 1842 Framer Intermediate CAS NUMBER: 0 CHEMICAL NAME: Mixture of Surfactants		ene Prom Sumba		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	2 28 ************************************	Tion I		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
MANUFACTURES: / VENDOR: InterChem, Inu.				
ADDRESS: 3801 Manking Ave. Odessa, 72 79764-5532		BMIS RATINGS:	SEALTR: 1 FIRE: 2	HEALTH / PIRE
EMERGENCY TELEPHONE MUNEER: (900)424-9300			REACTIVITY: 0 AL PROTECTION: I	()
				M/A \ /0
INFORMATION TRUMPEONE NUMBER: (432)550-7027				SPEC. HAZ.\ / REACT.
DATE PREPARED: 09/25/06				V
***************************************			7770. /282 /0029022	
		REDIENTA/IDENTITY TOP		
CAS NUMBER HAZARDOUS COMPONENT		TARC PART/Z 313 OSH	A DEL ACGINITIVE EXC	
67-63-0 Isopropanol		3 Y M 40	0 ppm 200 ppm	Propriet.
SECT!		CHEMICAL CHARACTERIS		

BOILING POINT	NI	SPECIFIC GRAVITY (#20 = 1)	1.04380
	NI.	Melting Point		MI
· ·		EVAPORATION RATE (Butyl Acetete = 1)	NI
SOLUBILITY IN WATER: Soluble at 77'F	,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************		,
		~~~~~~~~~~	·	
APPEARANCE AND ODOR: Dark Amber Liquid, Bland o	0doz 	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*****************	
OTHER INVORMATION: Viscosity Units = MI p# = >7.0 Freezing Point = 15°7 Dry Point = NI				
Density (Lb./001.) = 0.703				
DANGER Physical Manardo:- Flammeble Liquid				
Generid Mane: - Mixture of Surfactants				
Uni/MA Mumber:- UN 1993				
North American Emergency Response Rumber: - 129				
DOT Proper Shipping Name: - FLAMMABLE Liquid, n. (Contains Isopropanol)	.0-8-			
DOT Hazard Class: - 3				
DOT Packing Group: - III				
DOT/CERCIA EQ: - H/App.				
This product does not contain any chamicals ( Amendments and Heauthorization Act of 1986.				
		D EXPLOSION HAZARD DA		**********************
PLACE POTET: 105">		PLANTABLE LINETS:		D: 111
ENTINGUISHING ARDIA: Dry Chamical CO2 Water Sprey Water Fog				

MEDS NUMBER: 2842 Dage: 2 PRODUCT MAME: INC 1842 Former Intermediate SECTION IV - PIPE AND EXPLOSION HAZARD DATA (Continued) SPECIAL FIRE FIGHTING PROCEDURES: Do not enter fire area without proper protection - see section V - decomposition products possible. Fight fire from safe distance / protested location. Heat may build pressure / rupture plosed donteiners, spreading fire, increasing risk of burns / injuries. May become combustible upon loss of aqueous carrier. Use water spray / fog for cooling. Rotify authorities if liquid enters sever / public waters. UNUSUAL FIRE FIGHTING PROCEDURES: While not normally combustible, if water content is lost (as in a fire), material may release flammable vapors if exposed to high temperature. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined.

Vapors may be heavier than air, may travel long distances slong ground before igniting / flashing back to vapor source. SECTION V - RENCTIVITY DATA STABILITY: Stable under normal conditions. INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidizing agents, such as Bydrogen Permitde, Bromine, and Chromic Acid. Strong Adids. Strong Alkalies. Heat, sparks, open flemes, and elevated temperatures. HAZARDONG DECOMPOSITION OF BYPRODUCTS. Incomplete combustion may release potention carbon monoxide and oxides and/or compounds of nitrogen and sulfur. BAZARDOUS POLYMERIZATION: Not expected to occur. SECTION VI - WEALTH HAZARD DATA ROUTE (D) OF ESTRY: Inhalation: This material is expected to be an inhalation baserd. Bye contact: - Primary Route This material is expected to cause sys irritation. Skin absorption: -Poputratus skin readily. Skin irritation: -This material is expected to be a skin irritant. This material is moderately toxin by ingestion. HEALTH HAZARDS (ACUTE AMD CHRONIC): Acute Realth Effects:- (Short Term) Izritant to Evec. Irritant to Skin. Moderate Ingestion Maserd. Irritant to meanl mucoses. Readily absorbed through the skiz. SIGNE AND SYMPTOMS OF EXPOSURE: Skin Contact:-Penetrates skin readily. Frequent or widespread contact may result in the absorption of potentially bereful amounts. Signs and symptoms of toxidity are similar to those of swallowing. Irritation or redused of the skin may develop after exposure. Eve Contact: -Moderate eye irritation may develop on empodure. Possible corneal injury. Ingestion. Severs irritation and burning of the limings of the mouth, throat, and stometh may develop. Moderately toxid. May cause bendache, dissiness, incoordination, neuses, vositing, diarrhes, and general weakness. Ingestion may cause red blood cell hemolysis and possible liver and kidney injury.

MEDS WINNER: 1862

PRODUCT KAME: IRC 1942 Fearer Intermediate 

SECTION VI - MEALTE RAZARD DATA (Continued)

#### Inhalation:

Coughing and shortness of breath may result. More severs symptoms are also possible. High concentrations are irritating to the eyes and respiratory tract. May cause headachs, dissinsas, sauses, vomiting, and meleise.

#### Effects of remeated overexposures-

Remeated overexposure may cause hemolysis of the red blood cells leading to possible liver and kidney demand.

#### MEDICAL COMDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

This material or its emissions may affect the deptral pervous system and/or aggrevate pre-existing disorders. Prolonged observation may be indicated.

#### DERGENCY AND VIRGE ATD PROCEDURES.

If overcome by amosure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Fromt sotion is essential.

In case of eye contact, immediately rinds with clean water for 10 to 30 minutes. Retract both syslids often. Obtain emergency medical attention.

#### Akin Contact:

Immediately remove contaminated diothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm vater for 15 minutes. If sticky, use waterless cleaner first. Obtain emergency medical attention.

If large quantity swallowed, give lukewarm water (pint) if width is completely conscious and alert. Do not induce woniting, as risk of damage to lungs exceeds poisoning risk. Obtain emergency medical attention. Sestric levege recommended.

#### Emergency Medical Treatment Procedures:

eve affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Continue to rinse eyes with clean water for 20 to 30 minutes, retrecting syslide often. Contact ophthalmologist immediately.

Treat burns or ellergic reactions conventionally after decontamination. No not include vaniting. Gastric levage recommended.

#### OTHER HEALTH MARRIEUR:

The toxidological and darpinogenic properties of this natural have not been fully investigated. Handle accordingly, evolding dobtect.

#### SECTION VII - PRECAUTIONS FOR SAFE MANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS DELPASED OR SPILLED:

Equip responders with proper protection (see section VIII). MALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material, and transfer to bood.

LARGE SPILL: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and showled into conteiners.

Prevent run-off into severs, streams or other bodies of vater. If run-off occurs, noticy proper authorities as required, that a spill bes oppurred.

#### WASTE DISPOSAL METROD:

Comply with Federal / State / Lodel regulations for disposal. Contact state and federal regulators to determine whether the material should be classified as a hazardous waste or industrial waste and handled accordingly. Use licensed transporter and disposal facility.

#### PERCAUTICHE TO BE TAXER IN HANDLING AND STORAGE:

For transport, bandling, and storage, use polyethylens, plastid, lined steel or stainless steel

Store in tightly closed containers in cool, dry, isolated and well ventilated area away from best, sources of ignition and incompatible materials. Use non-sparking tools and explosion proof equipment. Ground lines, containers, and other equipment used during product transfer to reduce the possibility of a static induced spark. Do not "switch" load (load into containers which usly contained paroline or other low flash material) because of possible accumulation of a static charge resulting in a source of imition.

Use good personal bygions prectices.

Containers of this material may be hasardous when emptied, since emptied containers retain product residues (vapor, liquid, and/or solid), all becard precentions given in the data shear must be observed.
Store drams with bungs in up position.

#### OTHER PERCAUTIONS.

Wash Thoroughly after handling.

Do not get it eyes, on skin, or clothing-

Do not breathe dust, vapor, mist, or gas.

Depty container may contain hasardous residues.

MADA MUMBER: 1842 Page 4 PRODUCT MANE: THE 1842 Former Intermediate SECTION VIII - CONTROL MEASURES VENTILATION REQUIREMENTS: Either local exhaust or general room vantilation is usually required. PERSONAL PROFESTIVE ROUIDMENT: Respiratory Protection: If exposure dan exceed the PKL/TAV, was only MIOSS/MSSA approved air-purifying or supplied air respirator operated in a positive pressure mode per the MIOSS/OSSA 1981 Occupational Newlth Guidelines for shemical baserd. Eve Protention: by protestion, including both obsaidal splash guggles and face shield, must be worn when possibility exists for wye dontest due o spraying liquid or airborne particles. Contact lenses must not be worn. to spraying liquid or airborne particles. Impervious protective suit with gloves, boots, and full head and face protection must be worn. The equipment must be cleaned thoroughly after each use. Other Evglenic Practices:-Die good personal bygieme practices. Weeh hands before eating, drinking, amoking or using toilet familities. Shower after work using plenty of some and water. Other Work Practices: Emergency sys wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Promptly remove soiled slothing / wash thoroughly before reuse. SECTION IN - ADDITIONAL INFORMATION ADDITIONAL MANUFACTURER MARNINGS: For industrial use only. Keep out of reach of children. Pailure to use daution may cause serious injury or illness. Never siphon by mouth. OTHER PRECAUTIONS AND COMMENTS: Disclaimers:-Same of the information presented and conclusions drawn herein are from sources other than direct test date on the product itself.

The information in this NADS was obtained from sources which we believe are reliable. Movever, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly displain liability for less, damage or expense arising out of, or in any way commedted with the handling, storage, use, or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this

This MSDS has been prepared in accordance with the requirements of the OSBA Bayard Communication Standard (29 CFR 1200).

MEDS information may not be applicable.

#### MATERIAL SAFETY DATA SHEET MSDS WIMBER: 1480 PART NUMBER: INC 1480 PRODUCT NAME: INC 1480 Corresion Inhibitor Intermediate CAS NUMBER: 61790-69-0 CHEMICAL RAME: Alkyl Inidezoline BECTION I MANUFACTURER: / VENDOR: Interchem, Inc. HILLS RATINGS: ADDRESS: P.O. Box 13166 REALTE: 3 \ FIRE Odessa, TE 79768-3166 F198 | 1 PEACTIVITY: 0 EMERGENCY TELEPHONE NUMBER: (800)424-9300 PERBORAL PROTECTION: C COR INFORMATION TELEPHONE NUMBER: (432)550-7027 SPEC. HAZ. REACT. DATE PREPARED: 06/27/09 SECTION II - HALARDOOS INGREDIERYS/IDENTITY INFORMATION OTHER LIMITS ACCIM TLV RECOMMENDED PERCENT 4440 MTP IARC PART/E 313 ORRA PEL CAS NUMBER HARARDOUS COMPONENT 61790-59-0 hlkyl TmidsHoline × . ĸ M NI RI Propriet. SECTION III - PHYSICAL/CERMICAL CHARACTERISTICS BOILING POINT 0.84000 SPECIFIC GRAVITY (H20 - 1) N/App. VAPOR PRESEURE (BE Ag.) MI MELTIES POINT WI VAPOR DESBITY (AIR = 1) EVAPORATION HATE (Butyl Acetate = 1) ∢1 >1 SOLUBILITY IN WATER: Dispersible APPEARANCE AND ODOR: Dark-brown liquid; Fishy, Amine-Like Odor OTHER INFORMATION: Viscosity Units - MI Pressing Point - FI DE - BI Dry Point - MI Denoity (Lb./Gel.) = 7.000 Energency Overviews Harmful if swallowed, inhalad, or absorbed through the skin. Avoid contact with ekin, eyes, or clothing. Wash thoroughly after handling. Generic Mame: - Alkyl Imidasoline UR/MA Rusber: - UN 1760 North American Emergency Response Mumber: - 154 DOT Proper Shipping Mane: - Corrosive liquid, n.c.a. (Fatty Amidoamines) DOT HARAFG Class:- 8 DOT Packing Group: - III DOT/CERCLA RQ: - M/App. All components are listed on the TSCA Inventory. Exampt from listing are any byproducts and/or impurities in the product. This product does not contain any chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Resutborisation Act of 1986. SECTION IV - FIRE AND EXPLOSION MAZARD DATA

FLASH POINT: 320°F (CCC)

UEL: HI

PLANDIABLE LIMITS:

LEL: RI

MEDS NUMBER: 1460

PRODUCT NAME, INC 1480 Corregion Inhibitor Intermediate

Page: 2

#### AMCTION IV - PIRE AND EXPLOSION MARADD DATA (Continued)

Use an extinguishing agent switchle for the surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Firs-fighters abould wear appropriate protective aquipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

UNUSUAL FIRE FIGHTING PROCEDURES:

Enats serid smoke and irritating funes when heated to decomposition. These products are derbon oxides (CO, CO2), mitrogem oxides (RO, MO2, std.).

#### SECTION V - REACTIVITY DATA

ATABILITY:

This product is stable.

INCOMPATIBILITY (MATERIALS TO AVOID):

Reactive or incompetible with the following materials: oxidizing materials and reducing materials.

mble in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.

HAZARDOUS DECOMPOSITION OF SYPRODUCTS

MAZARDOUS POLYMERIZATION

Will not occur.

#### ARCTTON UT . WELLTH HAGARD DATA

BOUTE (#) OF ENTRY :

Dormal contact

Bye contact

Inbeletion Ingestion

REALTH HAZARDS (ACUTE AND CREOSTC) :

Byes: -

Corrosive to eyes.

Aking-

Corresive to skin.

Ingestion: -

May deuse buxus to mouth, throat and stonech-

Tobalation:

May deuse sensitization by inhelation.

Taryet Organ Effects:-

Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lame or cornes-

SIGHS AND STAPTONS OF EXPOSURE:

Skin Contact.

Irritation or rechass of the skin may develop after exposure.

Moderate eve igritation may develop on emosure.

Ingestion: -

Severe irritation and burning of the limings of the mouth, throat, and stomach may develop.

Coughing and shortness of breath may result. More severe symptoms are also possible.

MEDICAL COMPITIONS GENEVALLY AGGRAVATED BY EXPOSTRE:

Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can product target organe denage.

EMERGENCY AND FIRST AID PROCEDURES:

Get medical attention immediately. Immediately flush eyes with planty of water for at least 15 minutes, occasionally lifting the upper and lower syelids. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician.

5k1n:-

PRODUCT MANE: INC 1400 Corresion Inhibitor Intermediate

#### SECTION UT - HEAT/FR SASARD DATA (Complement)

Get medical attention immediately. Flush dontaminated skin with planty of water. Continue to ringe for at least 10 minutes. Remove contaminated diothing and shows. Wash contaminated diothing thoroughly with water before removing or wear ploves. Chemical burns must be treated promptly by a physician. Wesh clothing before rense. Clean shoes thoroughly before reuse.

#### Ingestion.

Get medical attention immediately. Wash out mouth with water. Nemove dentures if any. Nove exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dengarous. Do not induce vomiting unlass directed to do so by medical personnel. If venting occurs, the head should be kept low so that the vonit does not enter the lungs. Chemical hurns must be treated promptly by a physician. Hever give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open sirety. Loosen tight clothing such as a collar, tie, belt or madathand

#### Inhalation:

Inhalation:

Gat madical attention immediately. Move exposed person to fresh air. If it is suspected that funes are still present, the resourt should wear an appropriate mask or self-contained breathing apparatus. Reep person warm and at rest. If not breathing, if breathing is irregular or if respiratory errest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get madical attention immediately. Maintain an open nirway. Loosen hight slothing such as a collar, his, belt or weisthand. If the event of any complaints or symptoms, avoid further exposure.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that funes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangarous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated dicthing thoroughly with water before removing or wear gloves.

The toxicological and recoinogenic properties of this material have not been fully investigated. Handle accordingly, avoiding centact.

#### SECTION VII - PRECAUTIONS FOR MAJE EASIDLING AND USE

#### STEDS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

CHALL SPILLS

On small spills, add absorbant (and may be used in the absence of other suitable materials), scoop up material and plate in a sealable, liquid-proof container for disposal.

For large spills, dake spilled material or otherwise contain material to ensure runoff does not reach a waterway. Flace spilled material in an appropriate container for disposal. Contain and collect spillage with non-combustible, absorbent material e.g. mand, warth, vermituality or distanceous earth and place in container for disposal addarding to local regulations.

#### PRACMAL PRECAUTIONS:-

Immediately contact emergency personnel. Resp unnecessary personnel away. Use suitable protective equipment.

#### MEVIROIGHETAL PRECAUTIONS:

Avoid dispersal of spilled material and run off and contact with snil, waterways, drains and sewers.

#### WASTE DISPOSAL METHOD:

The generation of waste should be evoided or minimized wherever possible. Avoid dispersel of spilled material and runoff end contact with moil, waterways, draips and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and wasts disposal legislation and any regional local authority requirements.

#### PARCAUTICUS TO BE TAKEN IN MANDLING AND STORAGE.

### Handling . -

Do not get in eyes or on skin or clothing. Keep dontainer closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wesh thoroughly efter headling.

Reep container tightly closed. Reep montainer in a cool, well-ventilated eres.

#### OTHER PRECAUTIONS:

Wash Thoroughly after handling.

Do not get it syes, on skin, or clothing. Do not breathe dust, vapor, mist, or gas,

Keep Container closed when not in use.

Empty container may contain basardous residues.

#### SECTION VIII - CONTROL MEASURES

#### VERTILATION EXCUIREMENTS:

The only with adequate vancilation. If were operations generate dust, funes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne conteminate below any recummended or statutory

PRODUCT FAME: INC 1460 Corresion Inhibitor Intermediate

#### SECTION VIII - CONTROL MEASURES (Continued)

#### limite.

#### PERSONAL PROTECTAVE DOUTPMENT:

Eye/Face:

Sefety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid spleshes, mists, gases or dust. Recommended: splesh goggles or fees shield.

Chamidel-resistant, impurvious gloves doublying with an approved standard should be worn at all times when handling chamidal products if a risk assessment indicates this is necessary. Recommended: synthetic or rubber gloves.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should

be approved by a specialist before handling this product. Recommended: lab coat, safety aprox or overall.

Use a properly fitted, eir-purifying or eir-fed respirator complying with an approved standard if a risk assessment indicates this is necksary. Respirator selection must be based on known or enticipated emposure levels, the hexards of the product and the safe working limits of the selected respirator. Recommended: in situations where misting or flying may occur, use appropriate certified PREBIPATORE.

#### Nygione Resputes:-

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially conteminated clothing. Wash conteminated clothing before reusing. Shaure that eyewash stations and sefety showers are close to the workstation location.

#### SECTION IX - ADDITIONAL IMPORMATION

#### ADDITICUAL MANUFACTUARE MARKINGS:

TORICOLOGICAL INFORMATION:

#### Target organ affacts:

Contains material which dauses damage to the following organs: upper respiratory tract, skin, eye, lens or cornes.

#### Specific effects:

Carcinogenic affects: No known migalficent affects or critical harards.

Mutagenic effects: No known mignificant effects or dritical hazards.

Teratogenicity / Reproductive toxidity: No known significant effects or critical hazards.

#### Irritant / Semmitiner:

Ingestion: May dause burns to mouth, threat and stomach. Imbalation: May cause sensitization by imbalation.

Eyes: Corrosive to eyes. Skin: Corrosive to the skin.

#### OTHER PERCAUTIONS AND CONCURTS:

Some of the information presented and donalusions drawn herein are from sources other than direct test data on the product itself.
The information in this MEDS was obtained from sources which we believe are reliable. Nowever, the information is provided without any warranty, express or implied, regarding its correctness.

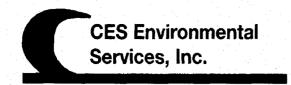
The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly displain lightlity for loss, damage or expense arising out of, or in any way competed with the handling, storage, was, or disposel of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this

MSDS information may not be applicable.

This MSDS has been prepared in accordance with the requirements of the OSSA Hazard Communication Standard (29 CVS 1200).

2885-Grenhunter Biofuels 79 8-4-09 8-4-09 7-CKO



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 7/14/2008

Dear Jesse Plancarte

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2885

Expiration Date 7/14/2010

**Generator:** Green Hunter Biofuels **Address:** 13605 Industrial Blvd

Houston, TX 77015

## Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Water and biodiesel from washing at biodiesel production plant

Color: varies

Odor: oil

**pH:** 5-8

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<a href="http://www.cesenvironmental.com">http://www.cesenvironmental.com</a>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461

ISWR Number: 30900

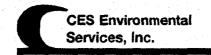


SECTION 1: Generator Information					
Company: Green Hunter Biofuels					
Address: 13605 Industrial Coad					
City: Kouston TR 77015 State: Zip:					
Contact: Bruce Bauchman Title:					
Phone Number: 713 - 574 - 909 Fax Number: 713 - 450 - 1591					
24/hr Phone Number: 972-951-1495					
US EPA ID No: C2506					
State ID No: SIC Code:					
SECTION 2: Billing Information - Same as Above					
Company: Rada Technologies					
Address: PO Box 1147					
City: Dearland State: 1X Zip: 77588					
Contact: (leade Rada Title:					
Phone Number: 281-541-4429 Fax Number:					
SECTION 3: General Description of the Waste					
Name of Waste: Oily Water					
Detailed Description of Process Generating Waste:					
Water & Biodiesel from washing at biodiesel production plant					
Tracal a ploateout from tracting at ploateout plant					
Physical State: 🔯 Liquid 🗆 Sludge 🗀 Powder					
Solid Filter Cake Combination					
Color: Varies Odor: Ci					
Specific Gravity (water=1): Density: 8-34 lbs/gal					
Does this material contain any total phenolic compounds?					
bots this indicator contain any total prictions compounds.					
Does this material contain any para substituted phenolic compounds?					
Does this material contain any para substituted phenone compounds.					
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)					
Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:					
2812 2813 2816 2819 2821 2822 2823 2824 2833 2834					
3312 4953 4959 9511					
Layers:  Single-phase  Multi-phase					
Talana - anière hinase Ma mane hinase					
Container Type:   Drum   Tote   Truck   Other (explain)					
M					
Frequency: Weekly   Monthly   Yearly   One-Time  Quantity:   5000gal					

		ous Waste" per nplete, sign and			Yes Yes	-	No ched hereto		
	tic for Toxic I	D001 (Ignitab Metals: Organics: D012	☐ D004 ☐ D010	D002 (Cor D005 D011 Dlease list a	D006	D003 (Read		□ D009	)
		ed waste or mix st ALL applicab		?	☐ Yes	K	No		
40 CFR 261	.33(e) or (f)?	duct or spill cle st ALL applicab	☐ Ye		a "U" or "P" wa ( No	ste code un	der		
	Waste Code OOT Shipping		Non K	CORA PG:	Non D	6T R RQ:	egulati	ed mo	terial
Floor	- Daint			Popeti	ve Sulfides	Ponetivo	Cyanides	C.	lids
SIL	n Point	5 - 9		N h	mg/l	NA	mg/l	/ )	%
Oil &	Grease	TO		147	Zinc		per	Nic	kel
7/5/27	mg/l	<16000	mg/l	۸/ ۱	A mg/l	MA	mg/l	N/A	mg/l
SECTION 4:		Chemical Data			1				
T-1		MPONENTS TAI				CONCENT			UNITS
11	IN later	ists of the follo	wing materia	115	Ranges are acceptable			or %	
	1):///	Bird ell			4-9	a 4	-	****	0/2
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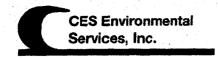
If the handling of this w	aste requires the use of special protective equi	pment, please explain.
SECTION 6: Attached S List all documents, note approval package.	es, data and/or analysis attached to this form as	part of the waste
SECTION 7: Incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incompatible Please list ALL incom		
oxidio	W	
Laboratory analysis of t	s Knowledge Documentation he hazardous waste characteristics, listed below ng generator knowledge:	, WAS NOT PERFORMED
TCLP Metals:	X	
TCLP Volatiles:	×	
TCLP Semi-Volatiles:	<del>_</del>	
Reactivity:	<u></u>	
Corrosivity:		· · · · · · · · · · · · · · · · · · ·
Ignitability:	<u>~</u>	
<u>Facilities)</u> Is this mate	ot Classification Under 40 CFR 437 (Prtaining to Pre- rial a wastewater or wastewater sludge? complete this section.	Treatment Requirements for Centralized Waste Treatment  YES   NO
PLEASE CHE	CK THE APPROPRIATE BOX. IF NO APPROPRIATE CA	ATEGORY, GO TO THE NEXT PAGE.
Metal finish Chromate w Air pollutior Spent anodi Incineration Waste liquid	oplating baths and/or sludges ing rinse water and sludges vastes n control blow down water and sludges zing solutions wastewaters d mercury	
☐ Waste acids ☐ Cleaning, rir ☐ Vibratory de	ntaining wastes greater than 136 mg/l and bases with or without metals nsing, and surface preparation solutions from electr eburring wastewater I acid solutions used to clean metal parts or equipm	
Lubricants Coolants Contaminat Used petrol Oil spill clea	nulsions or mixtures  ed groundwater clean-up from petroleum sources eum products	

=	erceptor wastes
_	-specification fuels
	derground storage remediation waste
=	k clean-out from petroleum or oily sources
	n-contact used glycols Jeous and oil mixtures from parts cleaning operations
= :	stewater from oil bearing paint washes
vva.	stewater from on bearing paint wasnes
Organics Subcate	gory : Subpart C
	dfill leachate
☐ Con	taminated groundwater clean-up from non-petroleum sources
_	vent-bearing wastes
	specification organic product
=	bottoms
=	product waste glycol
_	stewater from paint washes
_	stewater from adhesives and/or epoxies formulation stewater from organic chemical product operations
	k clean-out from organic, non-petroleum sources
	ik cican out nom organic, non-petroleum sources
(1)	
	ne waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
	ne waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
exce	ess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	ne waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, lickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Oils Subcategory  Organics Subcategory
SECTION 10 Addit	tional Instructions
If you cannot dete	ermine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, Nickel, an	and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This ceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Go	enerator's Certification
	contained herein is based on generator knowledge and/or analytical data.
	that the above and attached description is complete and accurate to the best of
	nd ability to determine that no deliberate or willful omissions of compostion
	and that all known or suspected hazards have been disclosed. I certify that the
materials tested	are representative of all materials described by this document.
Authorized Signa	ature:
Duinted Nove - /m	itle: TESSE Plantouple ER Supervisor
Printed Name/Ti	THE JESTE PHANCAUCH CIT SUPPLIES
CEC LISE ONLY (D	NO NOT MADITE IN THIS SPACE)
CES USE UNLY (D	OO NOT WRITE IN THIS SPACE)
Camanilla : Offi	What cold area de
Compliance Office	
Date:	- 14-18 V Approved Rejected
Approval Numbe	er: <u>7885</u>



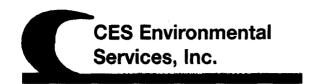
## PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$ 0.18/gal
2.	Contamination Limits (maximum limit before surcharges apply):
	21% Solis, (5000 TOC
3.	Surcharge Pricing:
	Ste per rate sheet
4.	Special Testing Requirements:
	TOC, pH, phenol, Solids
5.	Treatment and Handling Protocol:
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A Subcategory B ☐ Subcategory C



## PROCESS FACILITY INFORMATION (CES USE ONLY!!)

<del></del>	<del></del>	<del></del>		 	 
<u> Ianagem</u>	ent for Product R	Recovered/Recycled (if ap	plicable);		



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Date: 07/14/08

To: Joy Baker

Cc: Kelli Lofton, Gary Peterson, Prabhaker

From: Miles Root Lab Memo: 08-126

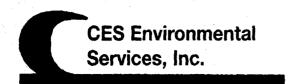
Subject: Rada Technologies Evaluation 0708-29

A sample of oily water from Rada Technologies has been checked for processing at CES. This sample is evaluation 0708-29 and is oily water from biodiesel production. The generator of this material is Green Hunter Biofuels. Overall, this stream looks good for processing at CES and will need minimum special handling.

This sample contains less than 5% oil with a trace of solids. The oil phase separates fairly quickly after mixing and will not need to be actually heated in our oil tanks for processing. The water treats easily and has solids that quickly fall out of solution. The TOC, metals and phenol are all very acceptable and no special surcharge will be needed. The table below summarizes the analytical work on this stream.

Rada Technologies Evaluation 0708-29					
Neat					
Oil, vol%	<5				
Solids, vol%	Trace				
pН	11				
Treated					
Phenol, ppm	0				
TOC, ppm	1708				
Metals					
Cd	0.076				
Cr	0.056				
Cu	0.095				
Ni	0.173				
Zn	0.071				

Restink



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 6/20/2008

Dear Doug Highsmith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2857

Expiration Date 6/20/2010

Generator: Reslink

Address: 1

1121 Buschong St

Houston, TX 77039

Waste Information

Name of Waste: Mop water

**TCEQ Waste Code #:** 00031142

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Floor cleaning and drainage of water

Color: varies

Odor: mild

**pH**: 6-9

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

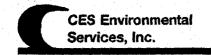
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

**SECTION 1: Generator Information** Company: Resink, Inc. Address: 1121 Buschong Street City: 77039 Houston State: TX Zip: Contact: Linda Koch Title: 281-227-9854 Fax Number: 281-227-6834 **Phone Number:** 281-734-7468 24/hr Phone Number: US EPA ID No: TXCESQG33497 1389 State ID No: 31142 SIC Code: SECTION 2: Billing Information - 
Same as Above Company: Rineco 819 Vulcan Rd. Address: Benton 72015 City: State: AR Zip: Douglas Highsmith Title: Non-Fuels Chemist Contact: 800-377-4692 Phone Number: Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: Mop Water **Detailed Description of Process Generating Waste:** Floor Cleaning and drainage of Water Physical State: Liquid Sludge Powder Solid **Filter Cake** Combination Color: varies Odor: mild 8.34 Specific Gravity (water=1): Density: lbs/gal Does this material contain any total phenolic compounds? ☑ No Does this material contain any para substituted phenolic compounds? П ₩ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes No Answer "Yes" If your waste contains benzene AND if the SIC code from your facility is one of the following: 2822 2833 2834 2812 2813 2816 2819 2821 2823 2824 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 4959 9511 3312 4953 Multi-phase Layers: Single-phase ☐ Tote ☑ Truck ☐ Other (explain) **Container Type:** ☐ Drum Frequency: Weekly Monthly Yearly One-Time Quantity: 500 galions Is this a USEPA "Hazardous Waste" per 40CFR 261.3? Yes ☑ No

If "Yes", Is it: ☐ Characteristic for Toxic		D002 (Corr	osive) 🔲 D006	D003 (Reactive)	hereto	
	ted waste or mixed with o		□ Y€	es ② No		
40 CFR 261.33(e) or (f)?	oduct or spill cleanup that	Yes 🗹	•	" waste code under		
Texas State Waste Code				142_		
Proper US DOT Shippin Class: N/A	g Name: Non Regual UN/NA: N/P	ated Materia		RQ: II A		
<u> </u>	10/18		- N     P	-N-/H		
Flash Point	рН		e Sulfides	Reactive Cyanides	Soli	
NA プルレ Oli & Grease	6-9 TOC	N		mg/l	ner	- %
C 1500 mg/l	61500 mg/l	-306	inc mg/l	Copper mg/l	Nick	mg/l
The waste cons	PONENTS TABLE ists of the following materia Water rt, residual cleaner	ils	F	CONCENTRATOIN Ranges are acceptable 95-99 1-5		OF %
<i>W</i> 1 41	it, residual ciedinol					
SECTION 5: Safety Rela	ted Data te requires the use of speci らん	al protective	equipment, p	lease explain.		

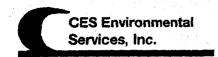
SECTION 6: Attached	Supporting Documents	
	s, data_and/or analysis attached to this form as pa	art of the weeds
approval package.		
appioral paolago.	_ ccs siftangin cas	
SECTION 7: Incompati		
Please list ALL incompat	ibilities (if any):	
	's Knowledge Documentation	
Laboratory analysis of the	e hazardous waste characteristics, listed below, \	WAS NOT PERFORMED
based upon the following	generator knowledge:	
TCLP Metals:	_X	
TCLP Volatiles: TCLP Semi-Volatiles:		
Reactivity:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Corrosivity:		
Ignitability:	~	
•		
	pt Classification Under 40 CFR 437 (Prtaining to I	Pre-Treatment Requirements for Centralized Waste
Treatment Facilities)	al a wastewater or wastewater sludge?	✓ YES ☐ NO
	complete this section.	M 1E3 MO
	•	
PLEASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIA	ATE CATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory: Sui	bpart A	
	plating baths and/or sludges	
	g rinse water and sludges	•
Chromate wa		•
☐ Spent anodiz	control blow down water and sludges	
☐ Incineration v	astewaters	
☐ Waste liquid		
Cyanide-cont	aining wastes greater than 136 mg/l	
	and bases with or without metals	
	sing, and surface preparation solutions from electrople	ating or phosphating operations
☐ Vibratory deb	urring wastewater acid solutions used to clean metal parts or equipment	
Find a midmid delide	and delegated deep to clean, most parts of equipment	
Oils Subcategory: Subpa	art B	
Used oils		
U Oil-water emu	llsions or mixtures	
☐ Coolants		
	groundwater clean-up from petroleum sources	
Used petrolet	ım products	
Oil spill clean		
☐ Bilge water		
☐ Rinse/wash w	raters from petroleum sources	•

Interceptor wastes
Off-specification fuels
Underground storage remediation waste
√ Tank clean-out from petroleum or oily sources
☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
☐ Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C  Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
☐ Wastewater from adhesives and/or epoxies formulation
☐ Wastewater from organic chemical product operations
☐ Tank clean-out from organic, non-petroleum sources
(1)  If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Oils Subcategory  Organics Subcategory
SECTION 10 Additional instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on  generator knowledge and/or  analytical data.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: 6/18/2008
Printed Name/Title: Douglas Highsmith/Non-Fuels Chemist
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Colling Clause
Date: 6-20-08 Approved Rejected
Approval Number: 2857



## PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	Dase Fricing (including recigite):
	\$0.10/gal + \$70/hr trans + current for
	\$ 100 min
2.	Contamination Limits (maximum limit before surcharges apply):
	It per rate sheet
3.	Surcharge Pricing:
	rate Sheet
Ĺ	
4.	Special Testing Requirements:
	WWTP
L	
5.	Treatment and Handling Protocol:
6.	Treated Wastewater Discharge Subcategory:
Γ	
	☐ Subcategory A ☐ Subcategory C



## PROCESS FACILITY INFORMATION (CESUSE ONLY!!)

						٠,	
				. : -			
1							
<u>Mana</u>	gement for P	roduct Recover	ed/Recycled (if appli	cable);			
<u>Mana</u>	gement for P	roduct Recover	ed/Recycled (if appli	cable);			



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Joy Baker

Cc: Keli Lofton, Gary Peterson, Prabhaker

Date: 06/17/08

From: Miles Root

Lab Memo: 08-109

Subject: Rineco Evaluation 0608-40

A sample of water from Rineco has been evaluated for processing at CES. This sample is evaluation 0608-40 and is mop water/oily water from the rinsing of oil tanks. Overall, this sample is treatable water that will have a partial oil sheen and can be processed without issues.

This sample has a partial oil sheen with a flash point greater than 140 deg F. When treated, the oil is no longer visible. The sample easily treats with no issues, has no phenols, low TOC and acceptable metals. This stream is approximately 5000 gallons. The table below summarizes the analytical results.

Rineco Evaluation 0608-40				
рН	7			
Solids, vol%	0.1			
Phenols, ppm	0			
TOC, mg/L	1475			
Flash Point, deg F	>140			
Metals				
Cd	0.104			
Cr	0.173			
Cu	0.222			
Ni	1.006			
Zn	0.112			

000 31142



### **HOUSTON LABORATORY**

8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

# Certificate of Analysis Number: 08041071

Reslink Report To: **Project Name:** Houston,TX Reslink a Schlumberger Corp. Kathy Allford Site Address: 1121 Buschong Rd. PO Number: Houston State: Texas Texas 77039-T104704205-06-TX State Cert. No.: ph (713) 725-3588 **Date Reported:** 5/2/2008

This Report Contains A Total Of 34 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

5/2/2008

Date



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

# Case Narrative for: Reslink a Schlumberger Corp.

## Certificate of Analysis Number:

#### 08041071

Report To: **Project Name:** Reslink Houston.TX Site: Reslink a Schlumberger Corp. Kathy Allford Site Address: 1121 Buschong Rd. PO Number: Houston Texas State: Texas 77039-T104704205-06-TX State Cert. No.: ph (713) 725-3588 fax: Date Reported: 5/2/2008

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

Due to the sample matrix, TCLP metals could not be analyzed for your sample "Degreasing Solvents". Per our conversation April, 24, 2008 the sample was logged in for Total Metals by SW846 method 6010B.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "Mop Water" (SPL ID:08041071-04) was randomly selected for use in SPL's quality control program for the TCLP Metals analysis by SW846 Method 1311/7470A. The MS and MSD recoveries were outside of the advisable quality control limits for Mercury (Batch ID:78035) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were outside quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

5/2/2008

Date

D'Anna Stelly

tive.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

## Certificate of Analysis Number:

## 08041071

Report To:

Fax To:

Reslink a Schlumberger Corp.

Kathy Allford

1121 Buschong Rd.

Houston

Texas 77039-

ph (713) 725-3588

fax:

Project Name:

Reslink

Site:

Houston,TX

Site Address:

PO Number: State:

Texas

State Cert. No.:

T104704205-06-TX

Date Reported:

5/2/2008

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
Rags w/oil &Solvents	08041071-01	Solid	4/17/2008 10:20:00 AM	4/17/2008 3:11:00 PM	280759	
Degreasing Solvents	08041071-02	Solvent	4/17/2008 10:45:00 AM	4/17/2008 3:11:00 PM	280759	
Perf Machine Filters	08041071-03	Solid	4/17/2008 10:10:00 AM	4/17/2008 3:11:00 PM	280759	
Mop Water	08041071-04	Liquid	4/17/2008 1:00:00 PM	4/17/2008 3:11:00 PM	280759	

5/2/2008

D'Anna Stelly Project Manager Date

Richard R. Reed Laboratory Director

Ted Yen Quality Assurance Officer

5/2/2008 7:24:44 PM



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID: Rags w/oil &Solvents

Collected: 04/17/2008 10:20 SPL Sample ID: 08041071-01

Site: Houston,TX

			<u>ые.</u> п	ouston, i A				
Analyses/Method	Result	QUAL	Rep.Limit	D	il. Fact	or Date Analyz	ed Analyst	Seq. #
TCLP MERCURY				MCL		SW7470A	Units: mg/L	
Mercury	ND		0.0002	0.2	1	04/22/08 16:	53 CMC	4392010
Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Metho	<u>d</u>	Leachate Date	Leach	<u>Initials</u>
SW7470A	04/22/2008 12:45	СМС	1.00	SW1311		04/18/2008	GF	
TCLP METALS BY	METHOD 6010B			MCL		SW6010B	Units: mg/L	<u>-</u>
Arsenic	ND		0.2	5	2	04/22/08 22:	26 EG	4392785
Barium	ND		1	100	2	04/22/08 22:	26 EG	4392785
Cadmium	ND		0.01	1	2	04/22/08 22:	26 EG	4392785
Chromium	ND		0.02	. 5	2	04/22/08 22:	26 EG	4392785
Lead	20.7	>MCL	0.1	5	2	04/22/08 22:	26 EG	4392785
Selenium	ND		0.2	1	2	04/22/08 22:	26 EG	4392785
Silver	ND		0.02	5	2	04/22/08 22:	26 EG	4392785
Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Metho	<u>d</u>	Leachate Date	Leach	Initials

SW3010A	04/21/2008 16:00	DDW	1.00	SV	V1311		04/18/2008	GF	
TPH TEXAS 1005					MCL		TX1005	Units: mg/kg	
C6-C12	5900	00	<u></u>	5000		10	04/18/08 1	7:51 RLR	4387638
>C12-C28	7000	00		5000		10	04/18/08 1	7:51 RLR	4387638
222 222				5000		4.0	0.4/4.0/0.0.4	4 - DID	100=005

59000			5000	10	04/18/08 17	7:51 RLR	4387638
70000			5000	10	04/18/08 17	7:51 RLR	4387638
ND			5000	10	04/18/08 17	7:51 RLR	4387638
129000			5000	10	04/18/08 17	7:51 RLR	4387638
1354 MI	*	%	70-130	10	04/18/08 17	7:51 RLR	4387638
250 MI	*	%	70-130	10	04/18/08 17	7:51 RLR	4387638
	70000 ND 129000 1354 MI	70000 ND 129000 1354 MI *	70000 ND 129000 1354 MI * %	70000 5000 ND 5000 129000 5000 1354 MI * % 70-130	70000 5000 10  ND 5000 10  129000 5000 10  1354 MI * % 70-130 10	70000 5000 10 04/18/08 17 ND 5000 10 04/18/08 17 129000 5000 10 04/18/08 17 1354 MI * % 70-130 10 04/18/08 17	70000         5000         10         04/18/08 17:51         RLR           ND         5000         10         04/18/08 17:51         RLR           129000         5000         10         04/18/08 17:51         RLR           1354 MI         *         70-130         10         04/18/08 17:51         RLR

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	04/18/2008 4:15	JDM	10.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID: Deg	greasing Solvents		Collecte	d: 04	/17/2008	10:45	SPL Sar	nple l	<b>D</b> : 0804 ²	1071-02
			Site:	Hous	ton,TX					
Analyses/Method	Result	QUAL	Rep.Lir	nit	Dil	. Factor	Date Ana	lyzed	Analyst	Seq. #
CORROSIVITY		-			MCL	SV	V9045D	Ur	its: pH Un	its
Corrosivity	9.48			0.1		1	04/18/08	16:30	PAC	4386076
IGNITABILITY MODIF	TIED OPEN CUP				MCL	ASTM	D92-01	Ur	its: °F	
Ignitability	>212			20		1	04/21/0	9:00	GF	4388262
MERCURY, TOTAL					MCL	SV	V7471A	Ur	its: mg/Kg	
Mercury	ND		0	.03		1	04/29/08			4406055
Prep Method	Prep Date	Prep Initials	Prep Fact	or						
SW7471A	04/29/2008 14:50	СМС	1.00	<u>=</u>						
METALS BY METHO	D 6010B, TOTAL				MCL	SV	V6010B	Ur	its: mg/Kg	
Arsenic	ND.			10		1	04/30/08		EG	4407882
Barium	1.67			0.5		1	04/30/08	16:33	EG	4407882
Cadmium	ND		(	0.5		1	04/30/08	16:33	EG	4407882
Chromium	ND			1		1	04/30/08	16:33	EG	4407882
Lead	57.2			5		1	04/30/08	16:33	EG	4407882
Selenium	ND			10		1	04/30/08	16:33	EG	4407882
Silver	ND			1		1	04/30/08	16:33	EG	4407882
Prep Method	Prep Date	Prep Initials	Prep Fact	or						
SW3050B	04/25/2008 11:25	DDW	1.00							
REACTIVE CYANIDE-	SOLID				MCL	SV	V7.3.3.2	Un	its: mg/Kg	 I
Reactive Cyanide	ND			1	6	1	04/23/08			4396010
REACTIVE SULFIDE	- SOLID				MCL	SV	V7.3.4.2	Un	its: mg/Kg	
Reactive Sulfide	ND			10		1	04/23/08	18:00	ESK	4395977

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID: Perf Machine Filters	Collected: 04/17/2008 10:10	SPL Sample ID:	08041071-03

	Site: Houston,TX							
Analyses/Method	Result QUAL	Rep.Limit	Dil. Factor		or Date Analyzed Analyst		Seq.#	
TCLP MERCURY			MCL	SI	N7470A	Units: mg/L		
Mercury	0.000338	0.0002	0.2	1	04/22/08	16:55 CMC	4392011	

	Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	<u>Leachat</u>	<u>e Date</u> <u>  Le</u> :	ach Initials
	SW7470A	04/22/2008 12:45	СМС	1.00	SW1311	04/18/20	008 GF	
TCLP	METALS BY	METHOD 6010B			MCL	SW601	OB Units: m	g/L
Arse	nic		ND	0.2	2 5	2 04/3	30/08 17:57 EG	440822
					100			

CLP METALS BY ME	THOD 6010B		MCL	•	SW6010B	Units: mg/L	
Arsenic	ND	0.2	5	2	04/30/08 1	17:57 EG	4408225
Barium	ND	1	100	2	04/30/08 1	17:57 EG	4408225
Cadmium	0.0117	0.01	1	2	04/30/08 1	17:57 EG	4408225
Chromium	ND	0.02	5	2	04/30/08 1	17:57 EG	4408225
Lead	0.751	0.1	5	2	04/30/08 1	17:57 EG	4408225
Selenium	ND	0.2	1	2	04/30/08 1	17:57 EG	4408225
Silver	ND	0.02	5	2	04/30/08 1	17:57 EG	4408225

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	04/21/2008 16:00	DDW	1.00	SW1311	04/18/2008	GF

TPH TEXAS 1005			MCL	TX1005	Units: mg/kg	
C6-C12	ND	5000	10	04/18/08	17:59 RLR	4387639
>C12-C28	100000	5000	10	04/18/08	17:59 RLR	4387639
>C28-C35	ND	5000	10	04/18/08	17:59 RLR	4387639
Total TPH (C6-C35)	100000	5000	10	04/18/08	17:59 RLR	4387639
Surr: 1-Chlorooctane	0 MI *	% 70-130	10	04/18/08	17:59 RLR	4387639
Surr: o-Terphenyl	577 MI *	% 70-130	10	04/18/08	17:59 RLR	4387639

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	04/18/2008 4:15	JDM	10.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID:Mop Water Collected: 04/17/2008 13:00 SPL Sample ID: 08041071-04

 Site:	HO	uston	,IX	

Analyses/Method	Result	QUAL	Rep.Limit	ַ	il. Facto	or Date Anal	yzed Analy	st Seq. #
CORROSIVITY				MCL		SW9040C	Units: pH	Units
Corrosivity	6.99		0.1		1	04/18/08	16:30 PAC	4386105
IGNITABILITY				MCL		SW1010A	Units: °F	
lgnitability	>212		20		1	04/21/08	9:00 GF	4388215
REACTIVE CYANIDI	E-WATER			MCL		SW7.3.3.2	Units: mg	/L
Reactive Cyanide	ND		0.5		1	04/23/08	17:30 ESK	4395989
REACTIVE SULFIDE	E - AQUEOUS			MCL		SW7.3.4.2	Units: mg	/L
Reactive Sulfide	ND		10		1	04/23/08	18:00 ESK	4395963
TCLP MERCURY				MCL	====	SW7470A	Units: mg	/L
Mercury	0.00273		0.0002	0.2	1	04/24/08	18:57 CMC	4396703
Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Metho	od .	Leachate Date	Lea	ch Initials
SW7470A	04/24/2008 14:00	СМС	1.00	SW1311		04/18/2008	GF	
TCLP METALS BY N	METHOD 6010B			MCL		SW6010B	Units: mg	/L
Antimony	ND		0.2		2	04/22/08	22:31 EG	4392786
Arsenic	ND		0.2	5	2	04/22/08	22:31 EG	4392786
Barium	ND		1	100	2	04/22/08	22:31 EG	4392786
Beryllium	ND		0.006		2	04/22/08	22:31 EG	4392786
Cadmium	0.0114		0.01	1	2	04/22/08	22:31 EG	4392786

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	04/21/2008 16:00	]	1.00	SW1311	04/18/2008	GF

0.02

0.1

0.04

0.2

0.02

5

5

1

5

2

2

2

2

2

04/22/08 22:31 EG

04/22/08 22:31 EG

04/22/08 22:31 EG

04/22/08 22:31 EG 04/22/08 22:31 EG

Qualifiers:

Chromium

Lead

Nickel

Silver

Selenium

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

ND

0.759

0.067

ND

ND

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

5/2/2008 7:24:53 PM

4392786 4392786

4392786

4392786

4392786



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

Client Sample ID: Mop Water

Collected: 04/17/2008 13:00 SPL Sample ID:

08041071-04

			Sit	e: Ho	uston,T	X				
Analyses/Method	Result	QUAL	R	p.Limit		Dil. Factor	r Date Analy	/zed	Analyst	Seq. #
TCLP VOLATILE ORGANICS					MCL	. S	W8260B	Un	its: ug/L	
1,1-Dichloroethene	ND			50	700	10	04/21/08 1	9:56	LT	4391736
1,2-Dichloroethane	ND			50	500	10	04/21/08 1	9:56	LT	4391736
2-Butanone	ND			200	200000	10	04/21/08 1	9:56	LT	4391736
Benzene	ND			50	500	10	04/21/08 1	9:56	LT	4391736
Carbon tetrachloride	ND			50	500	10	04/21/08 1	9:56	LT	4391736
Chlorobenzene	ND			50	100000	10	04/21/08 1	9:56	LT	4391736
Chloroform	ND			50	6000	10	04/21/08 1	9:56	LT	4391736
Tetrachloroethene	ND			50	700	10	04/21/08 1	9:56	LT	4391736
Trichloroethene	ND			50	500	10	04/21/08 1	9:56	LT	4391736
Vinyl chloride	ND			100	200	10	04/21/08 1	9:56	LT	4391736
Surr: 1,2-Dichloroethane-d4	96.0		%	62-130		10	04/21/08 1	9:56	LT	4391736
Surr: 4-Bromofluorobenzene	94.0		%	70-130		10	04/21/08 1	9:56	LT	4391736
Surr: Toluene-d8	92.0		%	74-122		10	04/21/08 1	9:56	LT	4391736

				<u>L</u>	each Method	_	Leachate Date	<u>e</u>	Leach I	nitials
				S	W1311		04/18/2008		MF	
TPH TEXAS 1005					MCL		TX1005	Ur	nits: mg/L	
C6-C12	ND			5.1		1	04/22/08	12:41	RLR	4392578
>C12-C28	57			5.1		1	04/22/08	12:41	RLR	4392578
>C28-C35	11			5.1		1	04/22/08	12:41	RLR	4392578
Total TPH (C6-C35)	68			5.1		1	04/22/08	12:41	RLR	4392578
Surr: 1-Chlorooctane	166 MI	*	%	70-130		1	04/22/08	12:41	RLR	4392578
Surr: o-Tembenyi	181 MI	*	%	70-130		1	04/22/08	12:41	RIR	4392578

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	04/21/2008 13:00	JDM	1.03

Qualifiers:

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

# **Quality Control Documentation**



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

### Reslink a Schlumberger Corp.

Reslink

Analysis:

TPH Texas 1005

Method:

RunID:

TX1005

WorkOrder:

08041071

Lab Batch ID:

77787

**Method Blank** 

HP_B_080418A-4387574

Units:

mg/kg

JDM Method TX1005

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

04/18/2008 17:11

Analyst:

RLR

08041071-01A

Rags w/oil &Solvents

04/18/2008 11:42

08041071-03A

Preparation Date:

Prep By:

Perf Machine Filters

Analyte	Result	Rep Limit
>C12-C28	ND	50
>C28-C35	ND	50
C6-C12	ND	50
Total TPH (C6-C35)	ND	50
Surr: 1-Chlorooctane	100.7	70-130
Surr: o-Terphenyl	106.7	70-130

#### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID:

HP_B_080418A-4387572

04/18/2008 16:55

Units: mg/kg Analyst: **RLR** 

Analysis Date: Preparation Date:

04/18/2008 11:42

Prep By: JDM Method TX1005

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
>C12-C28	1000	1160	116	1000	1080	108	7.2	20	75	125
C6-C12	1000	1050	105	1000	979	97.9	7.3	20	75	125
Total TPH (C6-C35)	2000	2210	111	2000	2060	103	7.2	20	75	125
Surr: 1-Chlorooctane	50.0	45.8	91.6	50.0	42.8	85.6	6.7	30	70	130
Surr: o-Terphenyl	50.0	53.9	108	50.0	50.0	100	7.5	30	70	130

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041070-01

RuniD:

HP_B_080418A-4387635

Units:

mg/kg RLR

Analysis Date: Preparation Date: 04/18/2008 17:27 04/18/2008 11:42 Analyst: Prep By: JDM Method TX1005

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
>C12-C28	167	1000	1850	168 *	1000	1880	172 *	1.72	20	75	125
C6-C12	ND	1000	1040	104	1000	1070	107	2.00	20	75	125
Total TPH (C6-C35)	167	2000	2890	136 *	2000	2950	139 *	1.82	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

**TPH Texas 1005** 

Method:

TX1005

WorkOrder:

08041071

Lab Batch ID:

77787

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041070-01

•

HP_B_080418A-4387635

Units:

mg/kg

Analysis Date: Preparation Date:

RunID:

04/18/2008 17:27 04/18/2008 11:42 Analyst: RLR

Prep By: JDM Method TX1005

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Surr: 1-Chlorooctane	ND	50	45.4	90.7	50	47.0	93.9	3.45	30	70	130
Surr: o-Terphenyl	ND	50	124	249 *	50	127	255 *	2.47	30	70	130

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

 $\ensuremath{\mathsf{J}}$  - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

#### Reslink a Schlumberger Corp.

Reslink

Analysis:

**TPH Texas 1005** 

Method:

RunID:

TX1005

WorkOrder:

08041071

Lab Batch ID:

77869

**Method Blank** 

HP_B_080422A-4392577

Units:

mg/L

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

04/22/2008 12:33

Analyst: **RLR**  08041071-04B

Mop Water

Preparation Date:

04/21/2008 13:00

Prep By: JDM Method TX1005

Analyte	Result	Rep Limit
>C12-C28	ND	5.0
>C28-C35	ND	5.0
C6-C12	ND	5.0
Total TPH (C6-C35)	ND ND	5.0
Surr: 1-Chlorooctane	110.6	70-130
Surr: o-Terphenyl	107.6	70-130

#### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

Units:

RunID:

HP_B_080422A-4392575

mg/L

Analysis Date:

04/22/2008 12:16

Analyst: **RLR** 

Preparation Date: 04/21/2008 13:00

JDM Method TX1005 Prep By:

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
>C12-C28	100	114	114	100	110	110	3.2	20	75	125
C6-C12	100	110	110	100	107	107	2.2	20	75	125
Total TPH (C6-C35)	200	224	112	200	217	109	2.7	20	75	125
Surr: 1-Chlorooctane	5.00	4.93	98.6	5.00	4.76	95.2	3.5	30	70	130
Surr: o-Terphenyl	5.00	5.40	108	5.00	5.24	105	3.1	30	70	130

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

RuniD:

08041153-07

HP_B_080422A-4392580

Units:

mg/L

Analysis Date:

04/22/2008 12:58

Analyst: **RLR** 

Preparation Date:

04/21/2008 13:00

Prep By: JDM Method TX1005

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
>C12-C28	ND	105	117	111	103	114	111	2.12	20	75	125
C6-C12	ND	105	113	108	103	111	108	1.76	20	75	125
Total TPH (C6-C35)	ND	210	230	109	205	225	110	1.94	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

**TPH Texas 1005** 

TX1005

WorkOrder:

08041071

Lab Batch ID:

77869

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041153-07

HP_B_080422A-4392580

Units:

ma/L

Analysis Date: Preparation Date:

RunID:

04/22/2008 12:58 04/21/2008 13:00 Analyst: RLR

Prep By: JDM Method TX1005

	Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
	Surr: 1-Chlorooctane	ND	5.24	5.03	96.0	5.14	4.95	96.4	1.60	20	70	130
Γ	Surr: o-Terphenyl	ND	5.24	5.54	106	5.14	5.35	104	3.43	20	70	130

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank J - Estimated value between MDL and PQL

D - Recovery Unreportable due to Dilution * - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

TCLP Metals by Method 6010B

SW6010B

WorkOrder:

08041071

Lab Batch ID:

77890

Method Blank

TJA_080422A-4392771 RunID:

Units:

mg/L

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

04/22/2008 21:25

Analyst: EG

08041071-01A

Rags w/oil &Solvents

Preparation Date:

04/21/2008 16:00

Prep By: DD

Method SW3010A

08041071-04A Mop Water

Analyte	Result	Rep Limit
Antimony	ND	0.1
Arsenic	ND	0.1
Barium	ND	0.5
Beryllium	ND	0.003
Cadmium	ND	_ 0.005
Chromium	ND	0.01
Lead	ND	0.05
Nickel	ND	0.02
Selenium	ND.	0.1
Silver	ND	0.01

#### Leachate Blank

RunID:

TJA_080422A-4392772

Units:

mg/L

Analysis Date:

04/22/2008 21:29 04/21/2008 16:00 Analyst: EG

Preparation Date: Leach Date:

04/18/2008 0:00

Prep By: DD Leach By: GF

Method SW3010A Method SW1311

Analyte	Result	Rep Limit
Antimony	ND ND	0.4
Arsenic	ND	0.2
Barium	ND	1
Beryllium	ND	0.012
Cadmium	ND.	0.01
Chromium	ND	0.02
Lead	ND	0.1
Nickel	ND	0.08
Selenium	ND	0.2
Silver	ND	0.02

#### Laboratory Control Sample (LCS)

RunID:

TJA_080422A-4392773

Units:

mg/L

Analysis Date:

04/22/2008 21:33

Analyst: EG

Leach Date:

04/18/2008 0:00

Leach By: GF Method SW1311

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Antimony	2.000	2.054	102.7	80	120
Arsenic	2.000	2.098	104.9	80	120
Barium	2.000	1.862	93.10	80	120
Beryllium	2.000	1.927	96.36	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

TCLP Metals by Method 6010B

Method: SW6010B WorkOrder:

08041071

Lab Batch ID:

77890

#### Laboratory Control Sample (LCS)

RunID:

TJA_080422A-4392773

Units:

mg/L

Analysis Date:

04/22/2008 21:33

Analyst:

EG

Leach Date:

04/18/2008 0:00

Leach By: GF Method SW1311

Analyte	Spike	Result	Percent	Lower	Upper
•	Added		Recovery	Limit	Limit
Cadmium	2.000	1.995	99.76	80	120
Chromium	2.000	1.970	98.50	80	120
Lead	2.000	2.026	101.3	80	120
Nickel	2.000	1.968	98.38	80	120
Selenium	2.000	2.062	103.1	80	120
Silver	2.000	1.893	94.63	80	120

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041054-02

RuniD:

TJA_080422A-4392775

Units:

mg/L

Analysis Date: Preparation Date: 04/22/2008 21:42

EG Analyst: Prep By: DD

Method SW3010A

Leach Date:

04/21/2008 16:00 04/18/2008 0

0:00	Leach By: G	F Method SW1311
------	-------------	-----------------

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Antimony	ND	2	2.029	101.4	2	2.097	104.8	3.300	20	75	125
Arsenic	ND	2	2.016	100.8	2	2.102	105.1	4.204	20	75	125
Barium	1.457	2	3.219	88.07	2	3.258	90.00	1.194	20	75	125
Beryllium	ND	2	1.907	95.33	2	1.933	96.64	1.368	20	75	125
Cadmium	0.04419	2	1.980	96.77	2	2.037	99.64	2.856	20	75	125
Chromium	ND	2	1.889	94.43	2	1.934	96.70	2.376	20	75	125
Lead	ND	2	1.978	98.89	2	1.986	99.30	0.4062	20	75	125
Nickel	0.5052	_ 2	2.368	93.14	2	2.409	95.18	1.715	20	75	125
Selenium	ND	2	2.070	103.5	2	2.097	104.9	1.303	20	75	125
Silver	ND	2	1.881	94.07	2	1.866	93.29	0.8331	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

**TCLP Metals by Method 6010B** 

Method:

RuniD:

SW6010B

WorkOrder:

08041071

Lab Batch ID:

77890A

#### Method Blank

TJA_080430A-4408214

04/21/2008 16:00

Units:

Lab Sample ID

Client Sample ID

Analysis Date:

mg/L

08041071-03A

Samples in Analytical Batch:

Perf Machine Filters

Preparation Date:

04/30/2008 17:08

EG Analyst: Prep By:

DD Method SW3010A

Analyte Result Rep Limit ND 0.1 Arsenic Barium ND 0.5 Cadmium ND 0.005 Chromium ND 0.01 Lead ND 0.05 Selenium ND 0.1

#### Leachate Blank

RunID:

TJA_080430A-4408215

Units:

mg/L

ND

Analysis Date:

04/30/2008 17:13

Analyst: FG

Preparation Date: 04/21/2008 16:00 Leach Date: 04/18/2008 0:00

Silver

Prep By: DD Leach By: GF

Method SW3010A Method SW1311

0.01

Analyte	Result	Rep Limit
Arsenic	ND	0.2
Barium	ND ND	1
Cadmium	ND	0.01
Chromium	ND	0.02
Lead	ND	0.1
Selenium	ND	0.2
Silver	ND	0.02

#### **Laboratory Control Sample (LCS)**

RunID:

TJA_080430A-4408216

Units: mg/L

Analysis Date:

04/30/2008 17:17

Analyst: EG

Method SW3010A

Preparation Date:

04/21/2008 16:00

Prep By:

Leach Date:

04/18/2008 0:00

Leach By: GF

Method SW1311

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	2.000	2.070	103.5	80	120
Barium	2.000	1.920	96.01	80	120
Cadmium	2.000	1.967	98.37	80	120
Chromium	2.000	1.902	95.12	80	120
Lead	2.000	1.967	98.37	80	120
Selenium	2.000	2.067	103.3	80	120
Silver	2.000	1.899	94.96	80	120

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method: TCLP Metals by Method 6010B

SW6010B

WorkOrder:

08041071

Lab Batch ID:

77890A

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

RunID:

08041054-02

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TJA_080430A-4408218

Units:

mg/L

Analysis Date:

04/30/2008 17:26

Analyst: EG

Preparation Date:

Leach Date:

04/21/2008 16:00 04/18/2008 0:00 Prep By: DD Method SW3010A

Leach By: GF Method SW1311

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	2	2.017	100.9	2	2.058	102.9	1.983	20	75	125
Barium	1.600	2	3.268	83.42	2	3.369	88.46	3.035	20	75	125
Cadmium	0.04692	2	1.942	94.74	2	2.001	97.72	3.021	20	75	125
Chromium	ND	2	1.816	90.82	2	1.861	93.04	2.418	20	75	125
Lead	ND	2	1.877	93.84	2	1.956	97.82	4.150	20	75	125
Selenium	ND	2	2.059	102.9	2	2.190	109.5	6.163	20	75	125
Silver	ND	2	1.851	92.54	2	1.916	95.80	3.467	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### Reslink a Schlumberger Corp. Reslink

Analysis:

**TCLP Mercury** 

Method:

RuniD:

SW7470A

WorkOrder:

Samples in Analytical Batch:

08041071

Lab Batch ID:

77931

Method Blank

HGLC_080422A-4392002

Units:

ma/L

Lab Sample ID

Client Sample ID

Analysis Date:

04/22/2008 16:29

Analyst:

СМС

08041071-01A

Rags w/oil &Solvents

Preparation Date:

04/22/2008 12:45

Analyte

Prep By:

CMC Method SW7470A

ND _0.0002

08041071-03A

Perf Machine Filters

Result Rep Limit

#### Leachate Blank

RunID:

HGLC_080422A-4392003

Units:

mg/L CMC

Analysis Date:

04/22/2008 16:31

Analyst:

Preparation Date:

04/22/2008 12:45

CMC Method SW7470A Prep By:

Leach Date: 04/18/2008 0:00

Mercury

Leach By: GF Method SW1311

HGLC_080422A-4392015

Analyte

Result Rep Limit

Mercury

#### ND 0.0002 Laboratory Control Sample (LCS)

Units:

mg/L

Analysis Date: 04/22/2008 17:06

RunID:

Analyst: CMC

04/22/2008 12:45 Preparation Date: Leach Date: 04/18/2008 0:00

Prep By: CMC Method SW7470A Leach By: GF Method SW1311

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	Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury		0.002000	0.001939	96.96	80	120

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041054-02

HGLC_080422A-4392005

Units: mg/L

04/22/2008 16:38

Analyst: CMC

Analysis Date: Preparation Date: 04/22/2008 12:45

Prep By: CMC Method SW7470A

Leach Date:

RunID:

04/18/2008 0:00

Leach By: GF Method SW1311

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.0003826	0.002	0.002014	81.56	0.002	0.001978	79.79	1.771	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution * - Recovery Outside Advisable QC Limits

J - Estimated value between MDL and PQL E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

**TCLP Mercury** 

Method:

SW7470A

WorkOrder:

08041071

Lab Batch ID:

78035

**Method Blank** 

RunID: HGLC_080424A-4396700

Units:

mg/L

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

04/24/2008 18:42

Analyst: CMC 08041071-04A

Mop Water

Preparation Date:

04/24/2008 14:00

Prep By:

CMC Method SW7470A

Result Rep Limit Analyte ND 0.0002

Leachate Blank

RunID:

HGLC_080424A-4396701 Units: 04/24/2008 18:47

Analyst:

Analysis Date: Preparation Date:

04/24/2008 14:00

Prep By:

CMC Method SW7470A

Leach Date:

04/18/2008 0:00

Leach By: GF Method SW1311

Analyte Mercury

Result Rep Limit

mg/L

CMC

ND 0.0002 **Laboratory Control Sample (LCS)** 

RunID:

HGLC_080424A-4396702

Units: mg/L

Analysis Date:

04/24/2008 18:54

CMC Analyst:

Preparation Date:

04/24/2008 14:00

Prep By: CMC Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.002000	0.002063	103.2	80	120

#### Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked:

08041071-04

RuniD:

HGLC_080424A-4396711

Units:

mg/L

Analysis Date:

04/24/2008 19:36

Analyst:

CMC

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.00273	0.002	0.003843	55.73 *	0.002	0.003663	46.77 *	4.775	20	85	115

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

**TCLP Mercury** 

SW7470A

WorkOrder:

08041071

Lab Batch ID:

78035

Sample Spiked:

Preparation Date:

08041071-04

HGLC_080424A-4396704

Units:

RuniD: Analysis Date:

04/24/2008 19:00

04/24/2008 14:00

Analyst:

mg/L

CMC

Prep By: CMC Method SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.002728	0.002	0.004023	64.77 *	0.002	0.003881	57.68 *	3.591	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution * - Recovery Outside Advisable QC Limits

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

Metals by Method 6010B, Total

Method:

RuniD:

SW6010B

08041071

WorkOrder: Lab Batch ID:

78091

Method Blank

mg/Kg

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

TJA_080430A-4407880

Units:

Analyst: EG 08041071-02A

**Degreasing Solvents** 

Preparation Date:

04/30/2008 16:24 04/25/2008 11:25

Prep By:

DD Method SW3050B

Analyte	Result	Rep Limit
Arsenic	ND	10
Barium_	ND	0.5
Cadmium	ND	0.5
Chromium	ND	1
Lead	ND	5
Selenium	ND ND	10
Silver	ND	1

#### Laboratory Control Sample (LCS)

RunID:

TJA_080430A-4407881

Units: mg/Kg

EG

Analysis Date:

Preparation Date:

04/30/2008 16:29 04/25/2008 11:25 Analyst: Prep By:

Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	80.90	79.81	98.65	79	121
Barium	156.0	144.8	92.85	82	119
Cadmium	233.0	215.2	92.35	81	119
Chromium	60.80	57.42	94.43	78	121
Lead	76.80	70.99	92.43	81	120
Selenium	82.90	83.02	100.1	76	124
Silver	80.00	76.99	96.23	61	139

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: RunID:

08041071-02

TJA 080430A-4408207

Units:

mg/Kg

Analysis Date:

04/30/2008 16:37

Analyst:

Preparation Date: 04/25/2008 11:25

EG Prep By: DD

Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	100	97.50	97.50	100	97.49	97.49	0.007180	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

# Reslink a Schlumberger Corp. Reslink

Analysis:

Metals by Method 6010B, Total

Method: SW6010B

WorkOrder:

08041071

Lab Batch ID:

78091

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041071-02

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TJA_080430A-4408207

Units:

mg/Kg

Analysis Date: Preparation Date:

RunID:

04/30/2008 16:37 04/25/2008 11:25 Analyst: EG

Prep By: DD Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	1.672	100	102.2	100.5	100	100.1	98.40	2.064	20	75	125
Cadmium	ND	100	97.09	97.09	100	96.68	96.68	0.4201	20	75	125
Chromium	ND	100	99.26	98.38	100	98.30	97.42	0.9658	20	75	125
Lead	57.18	100	151.8	94.66	100	148.6	91.47	2.122	20	75	125
Selenium	ND	100	99.26	99.26	100	98.72	98.72	0.5415	20	75	125
Silver	ND	100	98.18	97.37	100	97.59	96.79	0.5956	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

 ${\bf J}$  - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### Reslink a Schlumberger Corp. Reslink

Analysis: Method:

RunID:

Mercury, Total

SW7471A

HGLD_080429A-4406035

WorkOrder:

08041071

Samples in Analytical Batch:

Lab Batch ID:

78264

Method Blank

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

04/29/2008 18:04

Analyst:

CMC

08041071-02A

**Degreasing Solvents** 

Preparation Date:

04/29/2008 14:50

Prep By:

CMC Method SW7471A

Analyte Result Rep Limit Mercury

#### **Laboratory Control Sample (LCS)**

RunID:

HGLD_080429A-4406036

Units:

mg/Kg

Analysis Date: Preparation Date:

04/29/2008 18:06 04/29/2008 14:50 Analyst: CMC

Prep By: CMC Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.600	4.002	111.2	68	132

#### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked:

08041621-01

RunID: Analysis Date: HGLD_080429A-4406038

Units:

mg/Kg-dry Analyst: CMC

Preparation Date:

04/29/2008 18:11 04/29/2008 14:50

CMC Method SW7471A Prep By:

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.1646	0.3233	0.4909	100.9	0.3233	0.4524	89.01	8.169	20	75	125

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution * - Recovery Outside Advisable QC Limits

J - Estimated value between MDL and PQL

E - Estimated Value exceeds calibration curve N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

**TCLP Volatile Organics** 

Method:

RuniD:

SW8260B

WorkOrder:

08041071

Lab Batch ID:

R234819

**Method Blank** 

N_080421F-4391734

Units:

Lab Sample ID

Client Sample ID

Analysis Date:

04/21/2008 15:28

Analyst: LT

ug/L

08041071-04A

Samples in Analytical Batch:

Mop Water

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND ND	20
Benzene	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene _	ND	5.0
Chloroform	ND	5.0
Tetrachloroethene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
Surr: 1,2-Dichloroethane-d4	92.0	62-130
Surr: 4-Bromofluorobenzene	92.0	70-130
Surr: Toluene-d8	94.0	74-122

#### Leachate Blank

RuniD:

N_080421F-4391733

Units:

ug/L

Analysis Date:

04/21/2008 15:01

Analyst: LT

Leach Date:

04/18/2008 0:00

Leach By: MF

Method SW1311

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND.	20
Benzene	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroform	ND	5.0
Tetrachloroethene	ND	5.0
Trichloroethene	ND.	5.0
Vinyl chloride	ND.	10
Surr: 1,2-Dichloroethane-d4	92.0	62-130
Surr: 4-Bromofluorobenzene	94.0	70-130
Surr: Toluene-d8	94.0	74-122

Laboratory Control Sample (LCS)

RunID:

N_080421F-4391732

Units: ug/L

Analysis Date:

04/21/2008 13:47

Analyst: LT

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp. Reslink

Analysis: Method: **TCLP Volatile Organics** 

SW8260B

WorkOrder: Lab Batch ID: 08041071 R234819

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
1,1-Dichloroethene	20.0	21.0	105	71	146
1,2-Dichloroethane	20.0	20.0	100	64	150
2-Butanone	120	120	100	20	235
Benzene	20.0	20.0	100	76	126
Carbon tetrachloride	20.0	18.0	90.0	66	137
Chlorobenzene	20.0	18.0	90.0	67	136
Chloroform	20.0	21.0	105	70	135
Tetrachloroethene	20.0	19.0	95.0	26	200
Trichloroethene	20.0	18.0	90.0	64	137
Vinyl chloride	20.0	21.0	105	31	147
Surr: 1,2-Dichloroethane-d4	50.0	46	92.0	62	130

#### Matrix Spike (MS)

50.0

50.0

Sample Spiked:

08041180-04

RunID:

N_080421F-4391735

Units:

ts: ug/L

48

100

96.0

70

74

130

122

Analysis Date: 04/21/2008 17:42

Surr: 4-Bromofluorobenzene

Surr: Toluene-d8

Analyst: LT

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
1,1-Dichloroethene	ND	200	220	110	71	146
1,2-Dichloroethane	ND	200	200	100	64	150
2-Butanone	ND	200	220	110	20	235
Benzene	ND	200	200	100	78	126
Carbon tetrachloride	ND	200	200	100	72	141
Chlorobenzene	ND	200	190	95.0	78	125
Chloroform	ND	200	220	110	70	135
Tetrachloroethene	ND	200	180	90.0	36	145
Trichloroethene	ND	200	190	95.0	77	125
Vinyl chloride	ND	200	210	105	31	147
Surr: 1,2-Dichloroethane-d4	ND	500	460	92.0	62	130
Surr: 4-Bromofluorobenzene	ND	500	500	100	70	130
Surr: Toluene-d8	ND	500	480	96.0	74	122

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



**HOUSTON LABORATORY** 8880 INTERCHANGE DRIVE HOUSTON, TX 77054

(713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

Corrosivity SW9045D

WorkOrder:

08041071

Lab Batch ID:

R234502

Samples in Analytical Batch:

Lab Sample ID

Client Sample ID

08041071-02B

**Degreasing Solvents** 

Laboratory Control Sample (LCS)

RunID:

WET_080418L-4386075

Units:

pH Units

Analysis Date:

04/18/2008 16:30

Analyst:

PAC

	Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Corrosivity		7.000	7.040	100.6	98	102

#### Sample Duplicate

Original Sample:

RunID:

08041071-02 WET_080418L-4386076

Units:

pH Units

Analysis Date:

04/18/2008 16:30

Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Corrosivity	9.48	9.45	0.317	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference D - Recovery Unreportable due to Dilution

B/V - Analyte detected in the associated Method Blank J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

Corrosivity SW9040C

WorkOrder:

08041071

Lab Batch ID:

R234503

Samples in Analytical Batch:

Lab Sample ID

Client Sample ID

08041071-04C

Mop Water

#### Laboratory Control Sample (LCS)

RunID:

Analysis Date:

WET_080418M-4386103

04/18/2008 16:30

Units: Analyst: pH Units

PAC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Corrosivity	7.000	7.040	100.6	98	102

#### Sample Duplicate

Original Sample:

RunID:

08041101-01

WET_080418M-4386106 Units:

pH Units

Analysis Date:

04/18/2008 16:30

Analyst: PAC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Corrosivity	7.11	7.09	0.282	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis: Method:

Ignitability

SW1010A

WorkOrder:

08041071

Lab Batch ID:

R234612

Samples in Analytical Batch:

Lab Sample ID

Client Sample ID

08041071-04C

Mop Water

**Laboratory Control Sample (LCS)** 

RunID:

WET 080421A-4388213

Units:

°F GF

Analysis Date:

04/21/2008 9:00

Analyst:

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Ignitability	81.00	81.18	100.2	97.5	102.5

#### Sample Duplicate

Original Sample:

08041071-04

WET_080421A-4388215 Units:

°F

Analysis Date:

RunID:

04/21/2008 9:00

GF Analyst:

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Ignitability	212	212	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

#### Reslink a Schlumberger Corp.

Reslink

Analysis: Method: Ignitability Modified Open Cup

ASTM D92-01

WorkOrder:

08041071

Lab Batch ID:

R234614

Samples in Analytical Batch:

Lab Sample ID

Client Sample ID

08041071-02B

**Degreasing Solvents** 

Laboratory Control Sample (LCS)

RuniD:

WET_080421B-4388248

Units:

°F GF

Analysis Date:

04/21/2008 9:00

Analyst:

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Ignitability	81.00	81.18	100.2	97.5	102.5

#### Sample Duplicate

Original Sample:

: 08

08041144-01 WET_080421B-4388269

69 Units:

°F

Analysis Date:

RunID:

04/21/2008 9:00

Analyst: GF

| Analyte | Sample | DUP | RPD | RPD | Limit |
| Ignitability | 212 | 212 | 0 | 20 |

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

J - Estimated value between MDL and PQL E - Estimated Value exceeds calibration curve

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

Reactive Sulfide - Aqueous

Method:

RunID:

SW7.3.4.2

WorkOrder:

08041071

Lab Batch ID:

R235087

**Method Blank** 

WET_080423ZG-4395960

Units:

mg/L

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

04/23/2008 18:00

Analyst: ESK 08041071-04C

Mop Water

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

#### Laboratory Control Sample (LCS)

RuniD:

WET_080423ZG-4395962 Units:

Analysis Date:

04/23/2008 18:00

Analyst: ESK

mg/L

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Sulfide	100.0	95.60	95.60	85	115

#### Sample Duplicate

Original Sample:

08041071-04

RunID: Analysis Date: WET_080423ZG-4395963 Units: 04/23/2008 18:00

Analyst:

mg/L **ESK** 

Analyte	Sample Result	DUP Result	RPD	RPD Limit		
Reactive Sulfide	ND	ND	0	20		

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

Reactive Sulfide - Solid

Method:

SW7.3.4.2

WorkOrder:

Samples in Analytical Batch:

08041071

Lab Batch ID:

R235088

**Method Blank** 

RunID: WET_080423ZH-4395974

Units:

mg/Kg

Lab Sample ID

Client Sample ID

Analysis Date:

04/23/2008 18:00

Analyst: ESK

08041071-02B

Degreasing Solvents

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

#### **Laboratory Control Sample (LCS)**

Units:

RunID:

WET_080423ZH-4395976

mg/Kg

Analysis Date:

04/23/2008 18:00

Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Sulfide	100.0	95.60	95.60	85	115

#### Sample Duplicate

Original Sample:

08041071-02

RunID: Analysis Date: WET_080423ZH-4395977 04/23/2008 18:00

Units: Analyst: mg/Kg ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Sulfide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

Reactive Cyanide-Water

Method:

SW7.3.3.2

WorkOrder:

08041071

Lab Batch ID:

R235089

**Method Blank** 

RunID: WET_080423ZI-4395985

Units:

<u>Lab Sample ID</u>

Client Sample ID

Analysis Date:

04/23/2008 17:30

Analyst: ESK

mg/L

08041071-04C

mg/L

Samples in Analytical Batch:

Mop Water

Analyte	Result	Rep Limit
Reactive Cyanide	ND	0.50

#### Laboratory Control Sample (LCS)

RuniD:

WET_080423ZI-4395986

Units:

Analysis Date:

04/23/2008 17:30

Analyst: ESK

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Cyanide	2.000	0.4370	21.85	5	50

#### Sample Duplicate

Original Sample:

08041071-04

WET_080423ZI-4395989

Units:

mg/L

Analysis Date:

RunID:

04/23/2008 17:30

Analyst: ESK

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Cyanide	ND	ND	0	20

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

 $\ensuremath{\mathsf{J}}$  - Estimated value between MDL and PQL

d Value exceeds calibration curve

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

## Reslink a Schlumberger Corp.

Reslink

Analysis:

Reactive Cyanide-Solid

Method:

SW7.3.3.2

WorkOrder:

08041071

Lab Batch ID:

R235090

**Method Blank** 

Units:

mg/Kg

Lab Sample ID

Samples in Analytical Batch:

Client Sample ID

Analysis Date:

RuniD: WET_080423ZJ-4396006

04/23/2008 17:30

Analyst: **ESK** 

08041071-02B

Degreasing Solvents

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

#### **Laboratory Control Sample (LCS)**

RunID:

WET_080423ZJ-4396007

Units:

Analysis Date:

04/23/2008 17:30

mg/Kg Analyst: **ESK** 

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Reactive Cvanide	2.000	0.4370	21.85	5	50

#### Sample Duplicate

Original Sample:

08041071-02

RunID:

WET_080423ZJ-4396010

Units: Analyst:

mg/Kg ESK

Analysis Date:

04/23/2008 17:30

Analyte	Sample Result	DUP Result	RPD	RPD Limit	
Reactive Cyanide	ND	ND	0	20	

Qualifiers:

ND/U - Not Detected at the Reporting Limit

MI - Matrix Interference

B/V - Analyte detected in the associated Method Blank

D - Recovery Unreportable due to Dilution

J - Estimated value between MDL and PQL

* - Recovery Outside Advisable QC Limits

E - Estimated Value exceeds calibration curve

N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.

TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

# Sample Receipt Checklist And Chain of Custody

5/2/2008 7:25:00 PM



#### HOUSTON LABORATORY 8880 INTERCHANGE DRIVE HOUSTON, TX 77054 (713) 660-0901

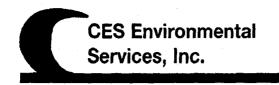
## Sample Receipt Checklist

Workorder:	08041071			Received	Ву:	RE	
Date and Time Received:	4/17/2008 3:11:00 PM			Carrier na	ame:	Client	
Temperature:	3.0°C			Chilled by	<b>/</b> :	Water ice	
1. Shipping container/c	cooler in good condition?	Yes	<b>V</b>	No 🗆		Not Present	
2. Custody seals intact	on shippping container/cooler?	Yes		No 🗆		Not Present	V
3. Custody seals intact	on sample bottles?	Yes		No 🗆		Not Present	<b>V</b>
4. Chain of custody pre	Yes	✓	No 🗌				
5. Chain of custody sig	Yes	$\checkmark$	No 🗆				
6. Chain of custody agr	rees with sample labels?	Yes	$\checkmark$	No 🗆			
7. Samples in proper co	ontainer/bottle? d for TX1005 received in 32 oz containers.	Yes		No 🗹			
8. Sample containers in	atact?	Yes	$\checkmark$	No 🗆			
9. Sufficient sample vo	lume for indicated test?	Yes	$\checkmark$	No 🗆			
10. All samples received	within holding time?	Yes	$\checkmark$	No 🗆			
11 . Container/Temp Blan	k temperature in compliance?	Yes	$\checkmark$	No 🗆			
12. Water - VOA vials ha	ve zero headspace?	Yes		No 🗆	VOA Via	ls Not Present	<b>~</b>
13. Water - Preservation	checked upon receipt (except VOA*)?	Yes		No 🗆	ļ	Not Applicable	$ \checkmark $
*VOA Preservation C	hecked After Sample Analysis						
SPL Representati	ive:	Conta	ct Date & T	Time:			
Client Name Contact	ed:						
Non Conformance Issues:	Continue as per historicals.						
Client Instructions:							
_							

5/2/2008 7:25:00 PM

SPL, Inc.											SPL V	Vorkord	ler No.			280	075	9
	A	nalysis Re					ody Re	cord			178	00	1/0	771	<del>/                                    </del>	page	/ of	
Client Name: Reslink, a Siglumberger Corp.						bottle	size	pres.				Re	eques	ted A	naly			
Address: 121 Buschung					0=oil	ass	ial er								<u>`</u>			
Phone/Fax:						ber glass X=other	40=vial =other	~	rs									
Client Contact: Kathy Allford	L Email: K	allfordor	st.he	<u>:t</u>	S=soil X=other	A=amber glass =vial X=other	· 52*	2=HNO3 X=other	Number of Containers	3	íΛ							
Project Name/No.: Wash Sa	nypling				S=soil X=othe	A=am  V=vial	4=4oz =16oz }	%=H X=0	ont	4	1005		voA					
Site Name: Reslink						` >	4 6=1		of C	E	,		) -					
Site Location: Houston, To Invoice To: Linda Kode		Tht.			=water =sludg	lasti lass	liter oz 1	CI 2SO	lber	Q.	<del>-</del>	H	17					
SAMPLE ID	DATE	Ph: TIME	comp	grab	W=water SL=sludge	P=plastic G=glass	1=1 liter 8=8oz 1	1=HC1 3=H2SO4	Zum	12	15	RC	2				ļ	
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Rage W/Oil & Slvent	4-17-08	1020m		×	<u>×</u>	9	×	ICE	2	×	×							
Degreasing Solvent	4-17-08	10450	X		0	Ģ	_X_	ICE		X		X				<del></del>		
Pert Machine Filters	4-17-08	10100		거	X	G	X	1CE	2	X	X							
Mos water	4-17-08	1000		×	W	V	4	1	B		×		×					
Moswater	4-17-08	1 1		X	W	G	×	ICE.	2.	X		X						
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Client/Consultant Remarks:					Laborat	ory rema	rks:								Intact Ice? Temp:	1	JY C	JN N
Requested TAT	Special Repo	rting Requirer	nents	Result	ts: Far	E	mail	PDF 🔲	Special	Detection	on Limit	s (speci	fy):		Linp.		view (ini	itial):
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24hr Standard 3. Relinquished by:							date	7-08	15	11	4. Rece	wad bar						
48hr 🔲	5. Kelinquish	ea by:	`				uate		ume			^		1 -	_			
Other	5. Relinquish	ed by:					date	1/08	time /<	11	6. Rate	ived by	Labora	ory:				
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8880 Interchange Drive Houston, TX 77054 (713) 660-0901 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/27/2008

Dear Rick Phillips

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2858

Expiration Date 6/27/2010

Generator: Weatherford International Ltd. (Pinemont)

Address: 7721 Pinemont Drive

Houston, TX 77040

**Waste Information** 

Name of Waste: Super dry

TCEQ Waste Code #: CESQ2071

**Container Type:** 

**Detailed Description of Process Generating Waste:**Material used to clean pipeline for final rinse and drying

Color: clear

Odor: none

**pH:** 8-10

**Physical State:** 

Incompatibilities: oxidizers

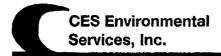
Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Gene	rator Information				
Company:	Weatherford Inte	rnational Ltd.			
Address:	7721 Pinemont I				
City, State, Zip:	Houston, TX 77	7040			
Contact:	Hugo Ybarra		Title:	Asset Co	oordinator
Phone No:	713-580-9743		Fax No:	713-580	
24/hr Phone:	CES-713-676-14	60	· · · · · · · · · · · · · · · · · · ·		
U.S. EPA I.D. No:	CESQG	······································	<del></del>		
State I.D.	CESQ		SIC Code:	<del></del>	
SECTION 2: Billin Company: Address:	g Information – 🗵	Same as Above			
City, State, Zip:					
Contact:		Title:			
Phone No:	· · · · · · · · · · · · · · · · · · ·	Fax N	ło:		
SECTION 3: General	ral Description of t	he Waste			
Name of Waste: <u>Su</u> Detailed Description		iting Waste: <u>Material u</u>	sed to clean pipeline f	or final rin	se and drying
Physical State:	⊠ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combinatio	n ·	
Color: <u>Clear</u>		Odor: none			
Specific Gravity (wa	nter=1): <u>1.53</u>	Density: 9.5 lbs/gal			
Layers:	Single-phase	Multi-pha	se		
Container Type: Container Size:	Drum	⊠ Tote <u>500 gal</u>	Truck		Other (explain)
Frequency:	☐ Weekly	Monthly	☐ Quarterly	$\boxtimes$	Yearly
Texas State Waste C	Code No: C	ESQ 2071			·
Proper U.S. DOT Si	ipping Name:	Non-RCRA; No	n-DOT Regulated Ma	terial	
Class: NA	UN/	NA: NA	PG: NA		RQ: NA
			•		
Flash Point >150	pH 8-10	Reactive Sulfides Omg/l	Reactive Cy	anides	Solids <2%
Oil&Grease	TOC	Zine	Copper	NI:	ckel
VII&Grease	10C	Zine Oma/l	Copper	1	ckei og/l

## **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %	
Potassium Formate	60-85	%	
Water	15-40	%	
Scale, dirt	0-3	%	
oil	0-1	%	

# **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\mathbf C$ 

## **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. MSDS

## **SECTION 7: Incompatibilities**

**TCLP Metals:** 

TCLP Volatiles:

Authorized Signature: _

Please list all incompatibilities (if any): oxidizers

### SECTION 8: Generator's Knowledge Documentation

<u>X</u> X

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Semi-Volatiles:	X				
Reactivity:	X				
Corrosivity:	X				
Ignitability:	X				
SECTION 9: Generate	or's Certification				
		 _	 🗀	 	

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Printed Name/Title: LYNCOLN SMITH	OPERATIONS MANAGER
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer:   Date: 6-27-08 Approved Rejected  Approval Number: 2858	Additional Information:

<u>S</u>	ECTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	unics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation  Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in exces values listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
	$\boxtimes$	Organics Subcategory

# **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	1750/40te.
	175 col yote. The cleaning 75 ac
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4. 4.	Special Testing Requirements:
5.	Treatment and Handling Protocol:
ر. [	
	C/253 I - 5/vdge Boll after solidification
	/Liquids box
l	
<b>6.</b>	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):					
8.	Management for Product Recovered/Recycled (if applicable);					



# **Material Safety Data Sheet**

# **SUPER DRY 2000**



### 1. Product and Company Identification

**Material name** 

**SUPER DRY 2000** 

**Patent Number** 

Not available

Version No.

4

CAS#

Mixture

**Manufacturer information** 

Clearwater International L.L.C. 100 Leetsdale Industrial Drive

Leetsdale, PA 15056 US CHEMTREC 1-800-424-9300/703-527-3887

**Emergency** 

CHEMTREC 1-800-424-9300/703-527-3887

**Supplier information** 

Clearwater International L.L.C. 100 Leetsdale Industrial Drive Leetsdale, PA 15056 US

## 2. Hazards Identification

**Emergency overview** 

Health injuries are not known or expected under normal use. This product is not

considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**OSHA** regulatory status

This product is considered not hazardous under 29 CFR 1910.1200 (Hazard

Communication).

Potential environmental effects

Ecological injuries are not known or expected under normal use.

## 3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Potassium Formate	590-29-4	60 - 80

#### 4. First Aid Measures

First aid procedures

**Inhalation** 

**Eve contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

if irritation develops or persists.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops or persists. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for

breathing. Call a physician if symptoms develop or persist.

**Ingestion** If swallowed, seek medical advice immediately and show this container or label. Do not

induce vomiting without medical advice.

General advice If you feel unwell, seek medical advice (show the label where possible).



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Material Name: SUPER DRY 2000 - Clearwater Elmendorf

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# 5. Fire Fighting Measures

Flammable properties

Not a fire hazard. The product is not flammable.

**Extinguishing media** 

Suitable extinguishing media

Water.

**Protection of firefighters** 

Protective equipment and precautions for firefighters Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

#### 6. Accidental Release Measures

Personal precautions Local authorities should be advised if significant spillages cannot be contained. Keep

unnecessary personnel away.

**Environmental precautions** 

Methods for containment

Prevent further leakage or spillage if safe to do so.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is

possible.

Methods for cleaning up Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible

material like vermiculite, sand or earth to soak up the product and place into a container

for later disposal. After removal flush contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated

surface thoroughly.

Never return spills in original containers for re-use.

# 7. Handling and Storage

Handling Use only with adequate ventilation. Handle and open container with care. Wash

thoroughly after handling.

**Storage** Keep in a well-ventilated place. Store in accordance with

local/regional/national/international regulation.

# 8. Exposure Controls / Personal Protection

Personal protective equipment

**General hygeine** considerations

Handle in accordance with good industrial hygiene and safety practice.

# 9. Physical & Chemical Properties

**Appearance** 

Liauid.

Color

clear, colorless - brown

Odor **Odor threshold**  Not available. Not available

**Physical state** 

Liquid.

**Form** pН

Liquid. 7.5 - 9

**Melting point** 

249.8 °F (121 °C) estimated

**Freezing point** 

Not available

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Version Number: 04



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**Boiling point** 

212 °F (100 °C) estimated

Flash point

N.A

**Evaporation rate** 

Not available

Flammability

Not available.

Flammability limits in air, upper,

Not available

% by volume

Flammability limits in air, lower,

Not available

% by volume

Not available

Vapor pressure Vapor density

Not available

Specific gravity

1.53 - 1.54

Relative density

1.5348 g/cm3 estimated

Solubility (water)
Partition coefficient

Not available

(n-octanol/water)

Not available

(n-octanol/water)

Not available

Auto-ignition temperature Decomposition temperature

Not available

# 10. Chemical Stability & Reactivity Information

**Chemical stability** 

Stable at normal conditions.

Incompatible materials

None known.

## 11. Toxicological Information

#### Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

Potassium Formate

590-29-4

Oral LD50 Mouse: 5500 mg/kg

Sensitization
Chronic effects

Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by OSHA criteria.

Carcinogenicity

Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by OSHA criteria.

Neurological effects Further information

This product has no known adverse effect on human health.

# 12. Ecological Information

**Ecotoxicity** 

This product has no known eco-toxicological effects.

### 13. Disposal Considerations

**Disposal instructions** 

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.



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# 14. Transport Information

### **Department of Transportation (DOT) Requirements**

Not regulated as dangerous goods.

#### Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

#### **IMDG**

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

# 15. Regulatory Information

Labelling

Contains

Potassium Formate

**US federal regulations** 

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

#### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

. No

chemical

#### **CERCLA (Superfund) reportable quantity**

None

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** 

Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely

hazardous substance

No

**Section 311 hazardous** 

Yes

chemical

# **Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause

cancer, birth defects or other reproductive harm.



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Version Number: 04



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# 16. Other Information

**HMIS®** ratings

Health: 1

Flammability: 1 Physical hazard: 0

NFPA ratings

Health: 1

Flammability: 1 Instability: 0

Prepared by

Naser S. Hussaini 515 Post Oak Blvd +1-713-693-7706

Disclaimer

THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR

CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND

ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF

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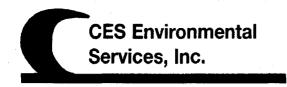
**MSDS** sections updated

Product and Company Identification: Product and Company Identification

Hazards Identification: Specific hazards

Other Information: Disclaimer

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4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/27/2008

Dear Michael Shulz

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2859

**Expiration Date** 6/27/2010

Generator: Nucor Steel Jewett Division

Address: 8812 Hwy 79 West

Jewett, TX 75846

**Waste Information** 

Name of Waste: Used oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Various used machine and equipment oil

Color: black

Odor: mild

pH: na

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

+ water is a liquid. Instructions state to heat the trailer contil the **CES Environmental** material is liquitied. The service profite is contradictory and 4904 Griggs Road Phone: (713) 676-1460 http://www.cese correctels. Contradictory TCEQ Industrial College Correctels. Services, Inc. Houston, TX 77021 Fax: (713) 676-1676 http://www.cesenvironmental.com TCEO Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 **ISWR No: 30900 SECTION 1: Material Producer Information** Company: **Nucor Steel Texas** Address: 8812 Hwy 79 West City, State, Zip: Jewett TX 75846 Contact: Michael Schulz Title: Environmental Engineer (903) 626 - 4461 Phone No: Fax No: (903) 626 - 6290 24/hr Phone: (903) 626 - 4461 U.S. EPA I.D. No: State I.D. SIC Code: SECTION 2: Billing Information - Same as Above Company: **Nucor Steel Texas** Address: P.O. Box 126 City, State, Zip: Jewett TX. 75846 Contact: Michael Schulz Title: **Environmental Engineer** Phone No: (903) 626 - 4461 (903) 626 - 6290 Fax No: SECTION 3: General Description of the Material / Product Name of Material / Product: Used Oil Detailed Description of Process Generating or Producing the Material / Product: Various used machine and equipment oil **Physical State:**  □ Liquid Powder ☐ Solid Filter Cake Combination Color: black Odor: mild Density: .8614 lbs/gal Specific Gravity (water=1): Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? 

Yes No Single-phase Layers: ■ Multi-phase Container Type: Drum Tote Truck Other (explain) **Container Size:** 5000 Weekly Monthly Frequency: Quarterly Yearly Number of Units (containers): 3 Other:

NOn-2007

PG:

RECYCLE

UN/NA:

Proper U.S. DOT Shipping Name:

na

Class:

n

	pH	N/A	N/A		Soli	
≥140 Oil&Grease _s,	N/A TOC	Zine	Connan	1	<u>0%</u> Nickel	
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Water			C	-20		%
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Technical Manager: Rol

Approval Number: _

Approved

Rejected



4904 Griggs Road Houston, TX 77021 Phone: 713-676-1460 Fax: 713-676-1676

March 23, 2008

Michael Schulz Nucor Steel Jewett, TX. 75846

Re: Waste Management & Transportation Quote

Dear Mr. Schulz:

Thank you for your interest in CES Environmental Services, Inc. and our waste management and transportation services. Please find below our proposed scope of service and associated pricing for your consideration.

# **Scope of Service**

- CES will provide transportation & product management for Nucor Steel oil waste at our approved disposal facility in accordance with federal, state, and local regulations.
- CES will provide for the profile, waste manifest, labels, and appropriate shipping documents.

#### **Estimated Costs**

Description of Service		Price
Waste Oil (< 10% water)	.51 credit	per gallon
Waste Oil (10% - 20% water)	.41 credit	per gallon
Waste Oil (20% - 30% water)	.31 credit	per gallon
Transportation	\$70.00	per hour portal / portal

## Conditions/Assumptions

- The above pricing is based on time and materials, the customer's invoice will reflect the actual quantities utilized on the project.
- Fuel surcharges will be charged according to the national average diesel price as published by the US Department of Energy. Current fuel surcharge is 26.5% of transportation rate. Disposal pricing includes all applicable state taxes and/or fees associated with the disposal of this waste material. These rates and terms will be effective through December 31, 2008. Prices subject to change with 30 days notice.

It is our sincere hope that you find our proposed scope of service and associated pricing appealing and will consider utilizing the services offered by CES Environmental Service, Inc. If you have any questions or comments or would like to begin service, please feel free to contact me at 713-550-6344.

Sincerely,

Joe Wilson Account Manager CES Environmental (713) 550-6344

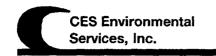
# CES Environmental Services, Inc. Profit & Loss Sheet

CONFIDENTIAL

CONFIDENTIAL

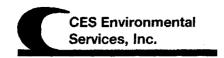
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	, TX. 75846	<u>}</u>			Job Contact					
Phone: (903) 6						Pho	one:	(903) 6	326-4461	
Fax: (903)						Fax	C.	(903) 6	26 - 6290	· · · · · · · · · · · · · · · · · · ·
P.O Requir City of Hous	iton:	Υ:	N: N:	х	Fuel 4-hou	ır Minir	num:	Υ:		N:
Base Oils Bla	ick Oils	Light Ends	Glycol		nulsion Oils			Emulsion O	ils (50%-70	0% oil)
Base Oils Bla	Item		Venc	Market Street	stimate Profile#	#CHOOK	10 May 200		Custom	er Charge
Waste Oil < 10%	water		CES						.51 / gallo	n credit
Waste Oil 10-20%	water		CES			_ _			.41 / gallo	n credit
Waste Oil 20-30°	% water		CES						.31 / gallo	n credit
									<u> </u>	
Transportation			CES				<del></del>	·	70.00 / hr	
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Fuel Surcharge			CES						current ra	te
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CONFIDENTIAL



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

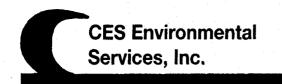
1.	Base Pricing (including freight):
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	"is it, flash, Chloratted, % solids on oil; test water for phend, pt)
Į	
5.	Treatment and Handling Protocol:
	base oil n black oil per Gary P.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
0	Management for Product Recovered/Recycled (if applicable);
8.	Management for Froduct Recovered/Recycled (II applicable);
i	

2860 Andengauge Duilling Systems



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 6/30/2008

Dear Keith Caulfield

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2860

Expiration Date 6/30/2010

**Generator:** Andergauge Drilling Systems **Address:** 6806 Willowbrook Park Drive

Houston, TX 77066

Waste Information

Name of Waste: Zinc filters

TCEQ Waste Code #:

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Spent filters for the removal of metals from a wastewater recycling facility

Color: varies

Odor: mild

pH: neutra;

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. CES Environmental Service

U.S. EPA ID Number: TXD008950451

713 676 1676

M.02/09



20

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fux: (713) 676-1676

http://www.cosenylropmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

ISWR Number: 30900

SECTION 1: Generator Information Company: Andergauge Drilling Systems Address: 6806 Willowbrook Park Orlve State: CILV: Houston Zin: 77066 Kleth Culfield Manager Contact: Title 832-422-4025 Fax Number: 832-422-4006 Phone Number: 832-422-4025 24/hr Phone Number: US EPA ID No: TXCESQG CESQG SIC Code: State ID No: SECTION 2: Billing Information -☐ Same as Above Company: Address: City Zio: Title: Contact: Phone Number: Fax Number, SECTION 3: General Description of the Waste Name of Waste: Zinc Filters Detailed Description of Process Generating Waste: Spent filters for the removal of metals from a waste water recycling facility. Powder **Physical States** ☐ Sludge Liquid V Combination Solid Filter Cake Odor: Mild Color! Varies 9-Aug lbs/gal Specific Gravity (water=1): 8-1 Density: ☑ No Does this material contain any total phenolic compounds? Yes **☑** No Does this material contain any para substituted phenolic compounds? Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes [☑] No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2816 2819 2821 2822 2823 2824 2833 2834 2812 2813 2842 2843 2844 2851 2861 2865 2835 2841 2835 2869 2876 2879 2891 2892 2893 2896 2873 2874 2899 2911 4953 4959 9511 3312 Luyers: Single-phase Multi-phase ☑ Drum ☐ Tote Truck 🗹 Other (explain) Container Type: Frequency: Weckly Monthly Yearly One-Time Quantity:

UNN SUNCTON 11:25 CES Environmental Service

(13 6/6 16/6 1.03/09

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	SEPA "Hazardo then please com				Ye urdous Constitu	• —	No ched hereto		
if "Yes"		] D001. (Ignital	·	D002 (Cor		☐ 0003 (Read		_	
Character	istic for Toxic P	victals:	□ D004	=		6 🗌 D007	□ D008	□ 0009	
Character	istic for Toxic (	Organics: 0012	□ D010 1 thru D043 (		-				
	"F" or "K" Liste , then picase il:			a?	☐ Ye	a 🖸	No		
40 CFR 26	ommercial prod 1.33(e) or (f)? , then please ii:		□ '		a "U" or "P" w ] No	raste code un	der		
Texas Stat	te Waste Code	Number	•	TCESO31	91	to the regarded			
Proper US	DOT Shipping	Name:	Non-RCRA,	Non-DOT R	egulated Zinc	Filters			
Class:	Na	UN/NA:	Na	PG:	Na	RQ:	Na		
Fla	sh Point	D	Н	React	Ive Sulfides	Reactive	Cyanides	Sofi	ds
	>200		<u></u> lu	0	mg/l	0	mg/l	100	%
Öli (	& Grease	r	c		Zinc	Cop		Nic	cel
Na	mg/l	Na	DR/)	No	mg/l	Na	mg/i	Na	mg/l
SECTION 4	¿ Physical and					, <u>water</u>	·		
		IPONENTS TA		<del></del>		CONCENT			UNITS
	he waste consi		wing materi	ais	***************************************	Runges are a			or %
	<del></del>	Zinc filters Fifter Sludge			<del></del>	95-1			<del>%</del>
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UNM-YO-YOUNG II: YO OFF FUALLOUMENTS! PELAICE

713 676 1676 P.U4/U9

SECTION 5: Safe	tv Related Data
if the handling of	this waste requires the use of special protective equipment, please explain.
Level D PPE	
t	
	ched Supporting Documents
	s, notes, data and/or analysis attached to this form as part of the waste
approval package	t. TCLP Analysis
<del></del>	
SECTION 7: Inco	mpatibilit <u>ies</u>
Please list ALL inc	ompatibilities (If any):
None	
~~~~	rator's Knowledge Documentation
	is of the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the fi	ollowing generator knowledge:
TCLP Metals:	
TCLP Volatiles:	
TCLP Semi-Volatil	
Reactivity:	Material is solid
Corrosivity:	Material is solid
lynitability:	Material is solid
	Receipt Classification Under 40 CFR 437 (Priaining to Pro-Treatment Republishments for Centralized Waste Treatment
Englittes)	s material a wastewater or wastewater sludge?
	f Yes', complete this section.
PLEA	se check the appropriate box. If no appropriate category, go to the next page.
Mutais Subcategor	v. Subunit A
	t electroplating baths and/or sludges
	I finishing rinse water and sludges
	nate wistes
	Mution control blow down water and sludges
	s anodizing solutions eration wastewaters
Wast	e figuid marcury
	de-containing wastes greater than 136 mg/l
	and bases with or without metals
	ing, rinsing, and surface preparation solutions from electropiating or phosphating operations
	tory debutring waslewater ne and acid solutions used to clean metal parts or equipment
□ Atraji	is with acid spranous asea to creat metal but a or edaibment
Oils Subcategory :	Subpart B
Used 🔲	·
=	ater emulsions or mixtures
Lubrio	
	nts iminatod groundwater clean-up from petroleum sources
	patroleum products
	ill clean-up
	water
	Awash waters from petroleum sources

ONE PUALLOUMENCET DELATOR

113 616 1616

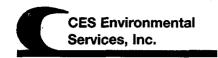
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	Interceptor wastes
	Underground storage remediation waste
	ink clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
<u>Organics</u>	<u>Subvategory</u> : Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petraleum sources Solvent-bearing wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank cloun-out from organic, non-petroleum sources
(4)	
(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
	in the waste controlled in this Broade at at in aversa as post tilb of the waste should be always to an tile our appropried at
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed helow in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	
	If the waste contains all and grease less than 100 mg/L, and dues not have concentrations of cadmium, chromium, copper,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory,
	 ☐ Metals Subcategory ☐ Olls Subcategory
	Onganics Subcategory
	El oleano perediales.
SECTION 1	Additional Instructions
-	not determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Ickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
	or to acceptance. The genurator will be responsible for the cost of the analysis.
SECTION	11: Generator's Certification
	mation contained herein is based on 🔀 generator knowledge und/or 🖾 analytical data.
	rertify that the above and attached description is complete and accurate to the best of
	ledge and ability to determine that no deliberate or willful omissions of composition
	s exist and that all known or suspected hazards have been disclused. I certify that the
materials	tested are representative of all materials described by this document.
والمحاشدة	
Authorize	ad Signature: Date: 6/20/2008
Printed N	ame/Tiela: Traves Tonorton HSE Coordinator
OFF COM	AND ADD THE PARTY OF A DELLA COLOR
CES USE (ONLY (DO NOT WRITE IN THIS SPACE)
Complies	ce Officer: halnully
Compaan Date:	6-30-08 VApproved Rejected
Approval	
	179717911 ABOUT 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

۱.	Base Pricing (including freight):
	\$85/cy box
	Trans \$69/hr plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):
 1	
	None
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ι	
3.	Surcharge Pricing:
[None
1	
ł	
	Consider Manufacture Description and the
1.	Special Testing Requirements:
	Make sure waste fits profile
ļ	
- {	
ı	
5.	Treatment and Handling Protocol:
ſ	Class 1 solids to landfill
١	
ó.	Treated Wastewater Discharge Subcategory:
ſ	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services

4904 Griggs Rd Houston, TX 77021 Phone: (713) 676-1460

Fax:

(713) 676-1676

Attn:

Dan Bowman

- CERTIFICATE OF RESULTS -

MES Lab#:

8060143

Client Sample ID:

Filter Paper

Extended ID:

Andergauge Willowbrook Industrial Park / PO#0608-14

Sample Collect Date: 5/30/2008 @ 3:30:00 PM

Sample Type:

Grab

Sample Receipt Date: 6/5/2008 @ 3:27:00 PM

Test Group / Method			·	· .		
TCLP Volatiles Method: SW-846 8260B	MDL	RL	Result	Units	Analyst: TFR Date / Time	
Vinyl chloride	0.10	0.2	< 0.10	mg/L	6/11/2008 /	10:46 AM
1,1-Dichloroethene	0.05	0.7	< 0.05	mg/L	6/11/2008 /	10:46 AN
2-Butanone	0.50	200	< 0.50	mg/L	6/11/2008 /	10:46 AN
Chioroform	0.05	6	< 0.05	rng/L	6/11/2008 /	10:46 AN
Carbon tetrachloride	0.05	0.5	< 0.05	mg/L	6/11/2008 /	10:46 AM
1,2-Dichloroethane	0.05	0.5	< 0.05	mg/L	6/11/2008 /	10:46 AM
Benzene	0.05	0.5	< 0.05	mg/L	6/11/2008 /	10:46 AM
Trichloroethene	0.05	0.5	< 0.05	mg/L	6/11/2008 /	10:46 AN
Tetrachloroethene	0.05	0.7	< 0.05	mg/L	6/11/2008 /	10:46 AN
Chlorobenzene	0.05	100	< 0.05	mg/L	6/11/2008 /	10:46 AN
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	6/11/2008 /	10:46 AN
Hexachlorobutadiene	0.05	0.5	< 0.05	mg/L	6/11/2008 /	10:46 AM
TCLP Sem-Volatiles					Analyst: TFR	!
Method: SW-846 8270C	MDL	RL	Result_	Units	Date / Time	·
Pyridine	0,10	5	< 0.10	mg/L	6/11/2008 /	10:08 AN
1,4-Dichlorobenzene	0.10	7.5	< 0.10	mg/L	6/11/2008 /	10:08 AM
o-Cresol	0.10	200	< 0.10	mg/L	6/11/2008 /	10:08 AM
m+p-Cresol	0.10	200	< 0.10	mg/L	6/11/2008 /	10:08 AM
Hexachloroethane	0.10	3	< 0.10	mg/L	6/11/2008 /	10:08 AM
Nitrobenzene	0.10	2	< 0.10	mg/L	6/11/2009 /	10:08 AM
Hexachlorobutadiene	0.10	0.5	< 0.10	mg/L	6/11/2008 /	10:08 AN
2,4,6-Trichlorophenol	0.10	2	< 0.10	mg/L	6/11/2008 /	10:08 AM
2,4,5-Trichlorophenol	0.10	400	< 0.10	mg/L	6/11/2008 /	10:08 AM
			- 0.40	mg/L	6/11/2008 /	10:08 AM
2,4-Dinitrotoluene	0.10	0.13	< 0.10	mg/L	Q/ 1/2006 /	10.00/19
2,4-Dinitrotoluene Hexachlorobenzene	0 10 0.10	0.13 0.13	< 0.10 < 0.10	mg/L	6/11/2008 /	10:08 AM

Report Date: 17-Jun-08

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#:

8060143

Client Sample ID:

Filter Paper

Extended ID:

Andergauge Willowbrook Industrial Park / PO#0608-14

Sample Collect Date: 5/30/2008 @ 3:30:00 PM

Sample Type:

Grab

Sample Receipt Date: 6/5/2008 @ 3:27:00 PM

TCLP Metals (8) Method: SW-846 6010B	MDL	RL_	Result	Units	Analyst: JA Date / Time	
Arsenic	0.050	5	< 0.050	mg/L	6/10/2008 /	4:08 PM
Barium	0.002	100	0.727	mg/L	6/10/2008 /	4:08 PM
Cadmium	0.004	1	< 0.004	mg/L	6/10/2008 /	4.08 PM
Chromium	0.007	5	< 0.007	mg/L	6/10/2008 /	4:08 PM
Lead	0.010	5	< 0.010	mg/L	6/10/2008 /	4:08 PM
Selenium	0.050	1	< 0.050	mg/L	6/10/2008 /	4:08 PM
Silver	0.002	5	< 0.002	mg/L	6/10/2008 /	4:08 PM
TCLP Mercury	,				Analyst: JA	
Method: SW 846 7470A	MDL	RL	Result	Units	Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	6/10/2008 /	4:29 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

John Keller, Ph.D., Lab Director

Tuesday, June 17, 2008

Date

8060143

MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC	
Dibromofluoromethane	101.2	
Toluene-d8	100.7	
4-Bromofluorobenzene	96.0	
SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC	
2-Fluorophenol	38.4	
Phenol-d6	51.2	
Nitrobenzene-d5	44.6	
2-Fluorobiphenyl	49.7	
2,4,6-Tribromophenol	47.3	
p-Terphenyi-d14		

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank

LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
%Rec=Percent Recovery

Signature:

John Keller / Laboratory Director

June 17, 2008

- Mercury Environmental Services, Inc. -

- CHAIN OF CUSTODY

1-800-771-4MES

EPAHO106001428

RINECO

URGENT

819 Vulcan Rd. Building 300 - Haskeli Benton, AR 72015 501-778-9089 (FAX) 501-778-8505

URGENT

Manifest Correction Report

DATE:

Monday July 7, 2008 3:34PM

GENERATOR:

NuStar Terminals Partners TX L.P.

CITY /STATE:

Texas City, TX

REGION:

S02

Bob Hill

409-948-4460

MANIFEST #:

002176720FLE

Correction #

36754

CORRECTIONS NEEDED:

GENERATOR CONTACT:

Block 9b (DOT) should read: Non Regulated Material.

Block 13 (Waste Codes) should read: 00282051.

Block 14 should read: 0806-09806.

profile

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- VIII ()					

RINECO CUSTOMER SERVICE REP

RINECO REGULATORY APPROVAL

If you are a broker, your signature below is certifying that you are authorized as an agent of the generator by contract or agreement to make additions or corrections to Manifests and/or Land Disposal Restrictions.

Generators and/or Brokers pluase complete this portion

COMPANY NAME

NuStar Terminals Partners TX L.P.

PRINT OR TYPE NAME

SIGNATURE:

Your signature allows RINECO to make necessary changes to your paperwork. Please fax back as soon as possible today, to prevent any delays in receiving your original manifest, CD/R.

Page Lof I

36,754

2861



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 675-1676
http://www.ccscnvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

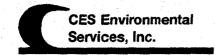


e55:	201 Main	Dock Road	Í		,					
	Texas City	1		St	ate:	TX .	Zip:			77592
act:	Bob Hill		409-948-8254			Title: Fax Number:	HSE Specialist			
e Nun	nber:	409-94					409-948-4460			
r Phor	e Number	281-75	0-1486			_				•
PA ID I	Yo:	TXD09	6036561			-				
ID No);				31060	SIC Code:				5171
ON 2:	Billing Inf	ornation -		ame as Abo	<u>we</u>				•	
pany:	Rineço Ci	emical								
:55 1	P.O. Box	729								
	Benton			Si	ate:	AR	Zip:			72018
act:	Angela Br	own				Title:	Non-Fuels Che	mist		
Nun	nber:	800-37	7-4692			_Fax Number:	501-778-8505			
AN 9-	Banardin		of the Wa	ta.						
<u> </u>	. Seneral L	COLUMN TOWN	DI DIG MS:	ang.						
of W	aste:	Oilv w	ater from S	tation						
		•	Generating				<u>-</u>			
	•	· · · · · · · · · · · · · · · · · · ·								
out of	tank	·								
I St	ate: 17	Llouid		∏ Si	udee	1.1	Powder			
al St	ate: (2			- 4-	udge Iter Cake	<u>U</u>	Powder Combination			
i St		_		- 4-	-					
		Solid		- 4-	-			ght, if any)		
	brown to	Solid	0.9	- 4-	-		Combination petroleum (sli	ght, if any) 1-8.75 lbs/g	ga!	and the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contr
ilc Gra	hrown to] Solid black r=1):		☐ Fil	iter Cake		combination oetroleum (sli		gal	
: Ac Gra	hrown to] Solid black r=1):		[] FI	iter Cake		Combination oetroleum (sli)-8.75 <u> </u>	gal	<u> </u>
this n	hrown to svity (wate) Solid black r=1): Itain any b	otal pheno	☐ Fil	iter Cake		Combination oetroleum (sli)-8.75 <u> </u>	zal	
this n	brown to svity (wate naterial con) Solid hlack r=1): Itain any t	otal pheno ara substit	5-1.05 lic compour	nds?	Codor: - - - - - - - - - - - - -	Combination petroleum (sli) Density: 7.5 No Yes	1-8.75 lbs/s	_	No
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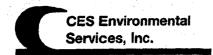
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SECTION 6: Attached	Supporting Documents				
	tes, data and/or analysis attached to this form as pa	rt of the waste			
approval package	2 pages of analysis attached, Job # 351885, Lab				
<u> </u>	12. ***. *				
SECTION 7: Incompat					
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TCLP Metals:	see analysis				
CLP Volatiles:	see analysis				
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interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or olly sources
☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subrategory: Subpart C
☐ Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product
☐ Still bottoms
☐ Byproduct waste glycol
Wastewater from paint washes
☐ Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chamical product operations
Tank clean out from organic, non-putroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/t,
Nickel: 37.5 mg/L
(3)
If the waste contains oil and grouse less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
is the matter contents on our Breast tess men and will A blue for a test representation to registeritifies continues described.
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1.	. Base Pricing (including freight):
•	\$0.10 /gal + 570/hr trans + fec
2.	
	up to 10% solids. Std per vate sheet.
2	Sanah aura Duinima.
3.	Surcharge Pricing: Std per pate Sheet.
	Sta p 1000
4.	Special Testing Requirements:
	TOC, pH, metals, o/. oil, solids
5.	Treatment and Handling Protocol:
ś. ₋	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A Subcategory B ☐ Subcategory C



Tests for		
<u> Aanagen</u>	nent for Product Recovered/Recycled (if applicable);	
<u> Ianagen</u>	nent for Product Recovered/Recycled (if applicable);	

LABORATORY TEST RESULTS

Job Number: 351885 Date: 04/15/2008

PROJECT: LIFT STATION SAMPLES CUSTOMER: NuStar Energy, LP ATIN: Robert Hill

Customer Sample ID: SEPERATOR SLUDGE Date Sampled....: 03/31/2008
Time Sampled....: 14:00
Sample Matrix...: Sludge

Laboratory Sample ID: 351885-5 Date Received....: 03/31/2008 Time Received....: 17:42

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
ASIM D93-85	Ignitability (Flashpoint), Sludge	>212			degrees F	04/03/08	daw
SW-846 1311	TCLP Herbicide Analysis, Sludge	Complete				04/03/08	wkc
<i>S</i> W-846 1311	TCLP Metals Analysis, Sludge	Complete				04/03/08	wkc
SW-846 1311	TCLP Pesticide Analysis, Sludge	Complete				04/03/08	wkc
SW-846 1311	TCLP Semi-Volatiles Analysis, Sludge	Complete				04/03/08	wkc
INRCC TX-1005	INRCC 1005 Extraction (Ultrasonic) INRCC 1005 Extraction, Sludge	Complete				04/14/08	lvp
TNRCC 1005	Direct Analytical TFH Method TX 1005 Petroleum Hydrocarbons C6 - C12, Sludge Petroleum Hydrocarbons C12 - C28, Sludge Petroleum Hydrocarbons C28 - C35, Sludge Petroleum Hydrocarbons C6 - C35, Sludge	ND 9560 2230 11800		1000 1000 1000 1000	mg/Kg mg/Kg mg/Kg mg/Kg	04/15/08 04/15/08 04/15/08 04/15/08	kp kp
Various Method SW-846 7.3	Miscellaneous Subcontract Methods Subcontract Method Analysis, Sludge Reactivity, Cyanide, Soil	see attached <10.0		10.0	mg/Kg	04/14/08 04/02/08	
SW-846 7.3	Reactivity, Sulfide, Soil	<50.0		50.0	mg/Kg	04/02/08	gcw
SW-846 9045C	Soil pH, Soil	7.24		0.01	pH Units	04/03/08	sur
SW-846 1311	Zero Head Space (ZHE) Extraction, Solid	Complete				04/03/08	wkc
SW-846 7470A	Mercury (Hg), TCLP	ND		1.00	ug/L	04/07/08	dcl
SW-846 3010A	Acid Digestion, TCLP	Complete				04/04/08	rim
SW-846 6010B	Metals Analysis (ICAP Trace) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	NID 0.101 NID NID NID NID NID NID NID		0.100 0.100 0.100 0.100 0.100 0.200 0.100	mg/L mg/L mg/L mg/L mg/L mg/L	04/07/08 04/07/08 04/07/08 04/07/08 04/07/08 04/07/08	srp srp srp srp srp
SW-846 8151A	Chlorinated Herbicides by GC 2,4-D, TCLP 2,4,5-TP (Silvex), TCLP	ND ND		2.0 2.0	ug/L ug/L	04/07/08 04/07/08	
SW-846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP	MD		0.25	ug/L	04/09/08	wec

LABORATORY TEST RESULTS

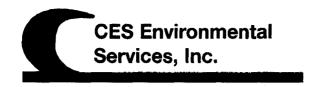
Job Number: 351885 Date: 04/15/2008

CUSTOMER: NuStar Energy, LP PROJECT: LIFT STATION SAMPLES ATTN: Robert Hill

Customer Sample ID: SEPERATOR SLUDGE Date Sampled....: 03/31/2008
Time Sampled....: 14:00
Sample Matrix...: Sludge

Laboratory Sample ID: 351885-5
Date Received.....: 03/31/2008
Time Received....: 17:42

E H H H M T T SW-846 8270C S 2 H	Chlordane, TCLP Andrin, TCLP Septachlor, TCLP Septachlor epoxide, TCLP Sexthoxychlor, TCLP Somivolatile Organics 2,4-Dinitrotoluene, TCLP Sexachlorobenzene, TCLP	ND ND ND ND ND		0.50 0.50 0.25 0.25 2.5 2.5	ug/L ug/L ug/L ug/L ug/L	04/09/08 04/09/08 04/09/08 04/09/08 04/09/08	wec
SW-846 8270C S	Meptachlor, TCLP Meptachlor epoxide, TCLP Methoxychlor, TCLP Moxaphene, TCLP Memivolatile Organics Meditorobenzene, TCLP Mexachlorobenzene, TCLP Mexachlorobenzene, TCLP	NID NID NID		0.25 0.25 2.5	ug/L ug/L ug/L	04/09/08 04/09/08	wec
SW-846 8270C S	Meptachlor, TCLP Meptachlor epoxide, TCLP Methoxychlor, TCLP Moxaphene, TCLP Memivolatile Organics Meditorobenzene, TCLP Mexachlorobenzene, TCLP Mexachlorobenzene, TCLP	ND ND		0.25 2.5	ug/L ug/L ug/L	04/09/08	
SW-846 8270C S	Wethoxychlor, TCLP Toxaphene, TCLP Semivolatile Organics 2,4-Dinitrotoluene, TCLP Mexachlorobenzene, TCLP	ND		2.5	ug/L		wec
SW-846 8270C S	Wethoxychlor, TCLP Toxaphene, TCLP Semivolatile Organics 2,4-Dinitrotoluene, TCLP Mexachlorobenzene, TCLP	NID			ug/L		
SW-846 8270C S	Coxaphene, TCLP Semivolatile Organics 2,4-Dinitrotoluene, TCLP Jexachlorobenzene, TCLP						
2 H	2,4-Dinitrotoluene, TCLP Jexachlorobenzene, TCLP	ND	İ		ug, 1	04/09/08	
H	Mexachlorobenzene, TCLP	רווא ו	i				
		1 141		25	ug/L	04/09/08	maz
		MD		25	uq/L	04/09/08	maz
; H	Mexachlorobutadiene, TCLP	NID		25	uq/L	04/09/08	maz
	Mexachloroethane, TCLP	ND		25	ug/L	04/09/08	
	Nitrobenzene, TCLP	ND		25	ug/L	04/09/08	
	2-Methylphenol (o-Cresol), TCLP	ND	1	25	ug/L	04/09/08	
	t-Methylphenol (p-Cresol), TCLP	ND		25		04/09/08	
					ug/L		
	Pentachlorophenol, TCLP	NID	İ	120	ug/L	04/09/08	
	4,5-Trichlorophenol, TCLP	ND		25	ug/L	04/09/08	
	2,4,6-Trichlorophenol, TCLP	ND	1	25	ug/L	04/09/08	
P	Pyridine, TCLP	ND		25	ug/L	04/09/08	maz
	Volatile Organics]			
B	Benzene, TCLP	ND		100	ug/L	04/04/08	
c	arbon Tetrachloride, TCLP	MD	1	100	ug/L	04/04/08	
la la	hlorobenzene, TCLP	ND	1	100	ug/L	04/04/08	klv
d	hloroform, TCLP	MD	1	100	ug/L	04/04/08	klv
1	,4-Dichlorobenzene, TCLP	ИD	ļ	100	ug/L	04/04/08	klv
	,2-Dichloroethane, TCLP	NID	1	100	ug/L	04/04/08	
	,1-Dichloroethene, TCLP	MD	ļ	100	ug/L	04/04/08	
	Tetrachloroethene, TCLP	ND		100	ug/L	04/04/08	
	Trichloroethene, TCLP	ND		100	ug/L	04/04/08	
		ND					
	7inyl Chloride, TCLP			200	ug/L	04/04/08	
M	Methyl Ethyl Ketone (2-Butanone), TCLP	MD		200	ug/L	04/04/08	KTA
							[
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]		1	1
						}	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Date: 06/23/08

Lab Memo: 08-113

To: Joy Baker

From: Miles Root

Cc: Keli Lofton, Gary Peterson, Prabhaker

Subject: Rineco Evaluation 0608-46

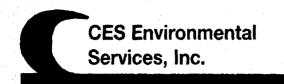
A sample of waste water from Rineco, generated by NuStar has been evaluated for processing at CES. This sample is evaluation 0608-43 and is stated to be oily rinse water from a tank. Overall, this water looks good for processing and should present minimal handling issues.

This sample does have a few drops of what appear to be oil on top of the water. There is not enough to even call it an oil sheen. Upon treating, these drops of oil are no longer visible. A spinout of this material with a centrifuge does not show any oil layer. Flash point on this sample is greater than 140 deg F. It does have a dark brown appearance when shaken, but the water becomes clear when allowed to sit and the 5% solids are allowed to settle out. There are no phenols and the metals and TOC are low. The water treats easily with our standard treat and we should have no issues. While the sample does have a peculiar odor, it is not particularly offensive and should require no special handling.

Pricing should be at least \$0.12/gal to cover basic costs with an additional \$0.04/gal for solids. The table below summarizes the analytical testing.

Rineco Evaluation 0608-46				
Neat Sample				
рН	7			
Solids, vol%	5			
Treatability	Easy			
Flash Point, Deg F	>140			
Oil,vol%	Trace			
Treated Sample				
TOC, mg/L	2251			
Phenols, ppm	0			
Metals				
Cd	0.030			
Cr	0.008			
Cu	0.099			
Ni	0.512			
Zn	0.023			

2862 DX/ Industries Inc



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 7/3/2008

Dear Dean Artero or Todd Conner

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2862

Expiration Date 7/1/2010

Generator: DXI Industries, Inc.
Address: 1919 Jacintoport Blvd

Houston, TX 77015

Waste Information

Name of Waste: Diesel fuel contaminated with water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Diesel spill mixed with rain water

TO 1 TO 1

Color: tan

Odor: diesel

pH: 7

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. JUN-30-2008 10:06

7137488664

P.002

SIR

CES Environmental Services, Inc.

CES ENVIROMENTAL

U.S. EPA ID Number: TX0008950461

GB

ISWR Number: 30900

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.gsgenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

SECTION 1: G	enerator informa	tlan				•			
Company:	DYF	I In	lustri	25					
Address:	1919	Jacin	troort	Blud					
City:	Housi	811	S	tate:	73	zip: 7	7015		
Contact:	Jay Man	tanio		Tit	le;			_	
Phone Numbe		81-45	7- 48	3 <u>5</u> Fa)	(Number:				
24/hr Phone N									
US EPA ID No:	仅	D9880	12629	72					
State ID No:					Code:				· · · · · ·
					_				
	lling Information	-,,	Same as Ab	ove / Ca		•			
Company:		N . WON		121 DE	rvices	≥			
Address:		6923							
City:	Housto	<u> </u>	S	tate: 1		Zip;	17269		
Contact:	Kelly	-		Titl	-	· .			
Phone Number	r: <u>2.9</u>	1-450	1-9992	Fas	Number: _	291-	-459-	<u> </u>	
SECTION 3: Ga	neral Description	n nf tha Wa	st o						
			A .						
Name of Wast	<u>.</u> d	1450	fuel	conta	minat	kd W	سرد بلو در	-	
	iption of Process	Generating		CUNIC	mar pe	4. 00.			
2	-priori or i roccas	Octor a conf	a annure.						
<u> - Oirs</u>	al Spill	wi	157	with	Rai	taw u	·6~		
Physical State:	= :	Į.		udge	_	Powder			
	_ Solid		∐ Fi	iter Cake	□ '	Combination	_		
	la.					dies	<u> </u>		
Color: 1				Od	or: _	M FJ	-	 .	
Caralla Cunsta	h	~ 1	. 0		1	Namaliha	(1 lbs)	/en1	
Specific Gravity	y (water=1):	· -			•	Density:	S lbs/	gai	
Dona chia mate	بروم مامهما مامه		. K		□ v-•	No			
DOGS fully write	erial contain any i	total pheno	ilic combon	nasr	∐ Yes	E No			
Door this mate	afal cambain anns		amand whom	alia aa maa aa	ala D	☐ Yes	Y No		
DOES INIS MALE	rial contain any	para substi	tuteo pilen	otic compour	1031	1es	(A MO		
ic the Wasta e	ubject to the ben	7080 WScto	. committee	NEEL ADD 140	. CED 05 € 51	Culmont CC)		Yes	No No
	f your waste cont					-		-	140
2812	2813		2819	2921	2822	2823	-	2833	2024
		2816					2824		2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511				-		
Layers:	☐ Single-pha	se 🖪	Multi-p	hase					
· -		_				•			
Container Type	t: 🔲 Drum	□ То	te 🖭 Ti	ruck 🗀 Otl	rer (explain)				
) w		L Manuelle F	/					
	Weekly M		Yearly L	/ One-Time					
Quantity:	2000	gal				•			

JUN-30-2009 10:06 CES ENVIROMENTAL

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P.003

	•						
	ous Waste" per 40CFR 26 riplete, sign and date the Ui	_] Yes onstituer	<u></u>	No hed haroto		
Characteristic for Toxic	_	10 D011	□ D006	D003 (React		<u></u> □ 0009	
Is this an "F" or "K" List	ed waste or mixed with o] Yes		No		
40 CFR 261.33(e) or (f)?	ist ALL applicable codes:	Yes Tho					 ,
Texas State Waste Code	Number:	NA-1	recy	iclass	em	ateria	
Proper US DOT Shipping Class:	; Name:	N Regul	red	PQ:	kvia		
Flash Point	На	Reactive Suff	ides	Reactive (vanides	Sol	ids
7/50	~7		IE/J	0	mg/l	41	%
Oil & Grease	TOC mg/l	Zinc	ne/(Сор	mg/l	Nic	ket mg/l
SECTION 4: Physical and	I Chemical Data MPONENTS TABLE			CONCENTR	ATOIN		UNITS
The waste cons	sists of the following mate	rials		Ranges are a	cceptable		or%
Water				<u>v 75</u>	%		
Avesel to	e/			v 25	%_		
	-	- -					
							
							
- 							
		<u> </u>				·	

JUN-30-2008 10:06

CES ENVIROMENTAL

7137488664

P.004

SECTION 5: Safety Related Data If the handling of this waste requires the use of special protective equipment, please explain. SECTION 6: Attached Supporting Documents List all documents, notes, date and/or analysis attached to this form as part of the waste approval package. **SECTION 7: Incompatibilities** Please list ALL incompatibilities (if any): SECTION 8: Generator's Knowledge Documentation Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge: TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability: SECTION 9: Wrate Receipt Classification Under 40 CFR 437 (Prealning to Pro-Treatment Regultraments for Centralized Waste Treatment **Facilities**) Is this material a wastewater or wastewater sludge? ☐ YES 17 NO If Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metais Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electropicting or phosphating operations Vibratory deburring wastewater
Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subport B Used offs Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources

C4 ENV

JUN-30-2009 10:06 CES ENVIROMENTAL

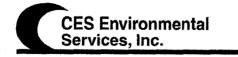
7137488664 P.005

	Interceptor wastes
	Coff-specification fuels
	Underground storage remediation waste
	Tank clean-out from petroleum or ally sources
	Non-contact used glycols Agueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
	— reproduces the parameter hause washes
<u>Qraanles</u>	<u> Subertenary</u> : Subpart C
	Landfili leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bearing wastes
	☐ Off-specification organic product ☐ Still bottoms
	Dyproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources
1)	(fights and a second to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the sta
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
2)	
-,	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	· · · · · · · · · · · · · · · · · · ·
3)	
•	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Oils Subcategory
	Organics Subcategory
ECTION	10 Additional Instructions
	anot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
	lickel, and Oll and Gresse, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
vill be pr	for to acceptance. The generator will be responsible for the cost of the analysis.
-	184. Carryande Carly
	11: Generator's Certification
	rmation contained herein is based on generator knowledge and/or analytical data.
	certify that the above and attached description is complete and accurate to the best of
	viedge and ability to determine that no deliberate or willful omissions of compostion
	es exist and that all known or suspected hazards have been disclosed. I certify that the
naterial	s tested are representative of all materials described by this document.
luthoriz	sed Signature:
	GIA C
rinted (Name/Title: John Conver, C4 Enc.
ES USE	ONLY (DO NOT WRITE IN THIS SPACE)
	(n) n 2d 1
ompila	nce Officer: Collecte Traval
ate:	7-1-08 Papproved Rejected
	Number: 2862
, ,	

Total P.005



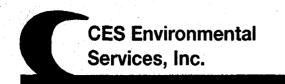
1. Base Pricing (including freight):
· 15/5A)
2. Contamination Limit (maximum limit before surchages apply):
5000 TEC
(0% 20x 92)
3. Surcharge Pricing:
03/54/ 5000 TOC 110 + Supplied
03/5A/ 5000 TOC NOT SULLEY 25 4
4. Special Testing Requirements:
On water phase check pH, TOC, phenol.
5. Treatment and Handling Protocol:
Take the top organic phase to Black Oil and water phase to waste water.
6. Treated Wastewater Discharge Subcategory:
□ Subcategory A □ Subcategory B □ Subcategory C



7. Tests for Product Recover	ed/Recycled (if applicable):		
			
8. Management for Product	Recovered/Recycled (if applicable)		
		 	
-			
	·		

National Equipment Coparation

pH: neutral



Waste Pre-Acceptance/Approval Letter

Date 7/1/2008

Dear Tom Collier

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2863

Expiration Date 7/1/2010

Generator: National Equipment Corporation

Address: 1806 Buchanan Street

Brenham, TX 77833

Waste Information

Name of Waste: Coolant, oil, and water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Machine grinding coolant and equipment fluid changes and rainwater

Color: brown/clear Odor: oil like

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com 2863

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900 133

SECTION 1: Gener					
Company:	National Equipme			· · · · · · · · · · · · · · · · · · ·	
Address:	1806 Buchanan St				
City, State, Zip:	Brenham, TX 778	133			
Contact:	Tom Collier		Title:	President	
Phone No:	979-830-8030		Fax No:	979-830-0983	
24/hr Phone:	CES-713-676-146	0			
U.S. EPA I.D. No:	NA				
State I.D.	NA		SIC Code:		
SECTION 2: Billing Company: Address:	z Information – ⊠	Same as Above			
City, State, Zip:		Tial			
Contact: Phone No:		Title:			
T NOWE 140.		Pax I	TU.		
SECTION 3: Gener	al Description of th	e Waste			
<u></u>					
Name of Waste: Coo Detailed Description		ing Waste: Machine C	Frinding Coolant and	equipment fluid ch	anges and rainwater
Physical State:	⊠ Liquid	Sludge	Powder		
· ·	☐ Solid	Filter Cake	Combinatio	n	
		ritter cake	E3 Compinatio		
Color: brown/Clear		Odor: oil like		•	
Specific Gravity (wa	ter=1): <u>.85-1,00</u>	Density: 8 lbs/	gal		
D41/4-2-1		P	¥7		
Does this material co	intam any totai phe	nolic compounds? 🔲	res 🖾 No		
Does this material co	ntain any para sub	stituted phenolic comp	oounds? 🗌 Yes 🛭	₫ Na	
Layers:	☐ Single-phase	🛭 Multi-pha	ise	•	
		-			
Container Type:	⊠ Drum	∐ Tote	Truck	☐ Other	(explain)
Container Size:	<u>55 g</u>				-
Feature	☐ Weekly	☐ Monthly	Ouarterly .	⊠ Yearl	.
Frequency:			Quarterly	⊠ Yearl	7
Number of Units (co	<i>'</i> —	Other:	-		
Texas State Waste C	ode No: Na	A-Recyclable Material			
Proper U.S. DOT Sh	ipping Name:	Non-RCRA; No	n-DOT Regulated Ma	uterial	
Class: NA	UN/N	A: NA	PG: NA	<u> </u>	RQ: NA
				- ·	

Flash Point	pН	Reactive Sulfides	Reactive Cy	anides	Solids
<u>>150</u>	neutral	<u>O</u> mg/l	Omg/I		<u><2</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel	
>1500mg/l	後1500mg/l	<u>O</u> mg/l	Omg/l	Omg/l	

SECTION 4: Physical and Chemical Data

ADDOMER CONTRACTOR		Links	
The waste consists of the following materials	Ranges are acceptable	or %	
Machine Coolant	10-40	%	
Oil	2-30	%	
Water	30-80	%	
Dirt	0-2	%	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. nove CES-Evaluation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: TCLP Volatiles: TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🖾 analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Printed Name/Title: Tom A Course - Pa	Date: <u>4-25-08</u>
CES USE ONLY (DO NOT WRITE IN THIS SPACE) Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and Management of the Compliance Officer: Loft and	

Apr 25 2008 11:02AM

Wastewater from paint washes

Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? X YES □ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol

(1)	If the v	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excevalues listed below, the waste should be classified in the metals subcategory.
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L 37.5 mg/L
(3)		raste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory

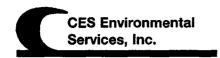
SECTION 11: Additional Instructions

Organics Subcategory

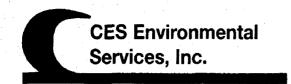
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1.	Base Pricing (including freight):
	\$50.00/Drum
	Transportation \$100.00 per trip plus FSC, Must be scheduled at same time as other pick-ups in Brenham
2.	Contamination Limits (maximum limit before surcharges apply):
İ	none
•	Contract to the destruction of the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to
3.	Surcharge Pricing:
	none
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4.	Special Testing Requirements:
~.	
	none
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l	
5.	Treatment and Handling Protocol:
I	Treat water/Process Oil
Ì	Tival Water/Troccss On
,	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



7.	1ests for Product Recovered/Recycled (II applicable):
	None
Į	
1	
8.	Management for Product Recovered/Recycled (if applicable);
8. 	Management for Product Recovered/Recycled (if applicable);
8. 	Management for Product Recovered/Recycled (if applicable); black oil
8.	
8.	
8.	
8.	



Waste Pre-Acceptance/Approval Letter

Date 7/3/2008

Dear Craig Taylor

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2864

Expiration Date 7/3/2010

Generator: NOV Rig Solutions Sparesand Service

Address: 5100 N. Sam Houston Pkwy W.

Houston, TX 77086

Waste Information

Name of Waste: Oily rags and pads TCEQ Waste Code #: Recycle

Container Type:

cy box

Detailed Description of Process Generating Waste:

Oily rags and pads from oil spills

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mater	rial Producer Inform	ation			
Company:	NOV Rig Solutions			_	
Address:	5100 North Sam Houston Parkway				
City, State, Zip:	Houston, TX 77086	5			
Contact:	Craig Taylor		Title:	Maintena	ance Manager
Phone No:		1-569-3000	Fax No:		0994 281569-0980
24/hr Phone:	832-309-9803				
U.S. EPA I.D. No:	TXCESQG				
State I.D.	CESQG		SIC Code:		
SECTION 2: Billin	g Information – 🔯 S	ame as Above			
Company:					
Address:			· · · · · · · · · · · · · · · · · · ·		
City, State, Zip:		·····			
Contact:		Title:			**************************************
Phone No:		Fax No	<u></u>	· .	
I Holle 140.		rax ive	·		
SECTION 3: Gener	ral Description of the	Material / Product			
	Product: Oily Rags a n of Process Generati	nd Pads ng or Producing the M	aterial / Product:	Oily rags a	nd pads from oil spills
Physical State:	☐ Liquid ⊠ Solid	☐ Sludge ☐ Filter Cake	Powder Combination	on .	
Color: Varies	C	dor: <u>None</u>			
Specific Gravity (wa	nter=1): <u>.8</u> Nh	Density: 6 lbs/gal			
Does this material c	ontain any total pher	olic compounds? 🔲 Y	es 🛛 No		
Does this material c	ontain any para subs	tituted phenolic compo	ounds? 🗌 Yes 🏻	⊠ No	
Layers:	Single-phase	Multi-phas	e		
Container Type:	☐ Drum	☐ Tote	Truck	\boxtimes	Other (explain)
Container Size:			/ —		cy box
Frequency:	☐ Weekly	☐ Monthly	Quarterly		Yearly
Number of Units (co		Other:	A		
•			· · · · · · · · · · · · · · · · · · ·		
Proper U.S. DOT SI	hipping Name:	Recyclable Oily I	Rags and Pads		
Class: Na	UN/N	A: Na	PG: Na	a	RQ:

LAIMAINUNIAL CAN

1131400004

P.003

Flash Point	рH	N/A	N/A	Solids
<u>>200</u>	<u>Na</u>			100%
Oil&Grease	TOC	Zine	Copper	Nickel
<u>>100mg/I</u>	Namg/l	Namg/I	Namg/I	<u>Na</u> mg/l

SECTION 4: Physical and Chemical Data

adireros es associable	Consentation	100000
The material / product consists of the following materials	Ranges are acceptable	ог %
Oil (Absorbed)	3-10	%
Rags	50-90	%
Pads	50-90	%
Booms	/ 0-50	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain. Level &

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. **DPPE**

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Material Producer's Certification

The information contained herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the material
tested are representative of all materials described by this document.

Anthorized Signature: Chair fauto Date: 7-1-08

Printed Name/Title: CRAIR TALLOR / MAINTENANCE MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	• • • • • • • • • • • • • • • • • • •
Technical Manager: Revently	
Date: 7-3-08 Approved Rejected	
Approval Number: 2864	



1.	Base Pricing (including freight):			
	\$85/cy box			
	Trans \$69/hr plus FSC			
2.	Contamination Limits (maximum limit before surcharges apply):			
	None			
	None			
ı				
3.	Surcharge Pricing:			
	None			
4	Consider Trading Description and			
4.	Special Testing Requirements:			
	Make sure waste fits profile			
	•			
- 1				
į				
5.	Treatment and Handling Protocol:			
ſ	Recycle to Recycler			
- 1				
6. Treated Wastewater Discharge Subcategory:				
	Children A Children B Children C			
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C			
- 1				



7.	. Tests for Product Recovered/Recycled (if applicable):			
	Na			
8. Management for Product Recovered/Recycled (if applicable);				
	Na			

CES Environmental Services, Inc.

4904 Griggs Rd. Houston, TX 77021 Phone: (713) 676-1460

Fax: 713-748-8664

Fax Transmittal

rotal Number of Pages (including cover sheet).
Date: 6/30/08
To: Craig Taylor
281-569-0980
From: Dan Bowman CES Environmental Services, Inc. Mobile Phone: (713) 854-6150
Notes:
Please review & sign profile. Fax
Please review I sign profile. Fax back w/ drown counts horgan will rall
for Du time.